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STATISTICAL SUPPLEMENT

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CALIFORNIA BARTLETT PEARS

ECONOMIC STATUS, 1946-47

by

Sidney Hoos and S. W. Shear

April, 1947

Contribution from the

Giannini Foundation of Agricultural Economics

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Sidney Hoos[1]/ and S. W. Shear[2]/

Acknowledgments and Sources

Mr. H. Fisk Phelps, Research Assistant on the Giannini Foundation, and Marian C. Paul, Statistical Clerk, assisted in the compilation of these tables on pear statistics. The authors are particularly indebted to Mr. R. E. Blair of the California Crop and Livestock Reporting Service for his generous cooperation. Most of the historical data on California pear acreage, production, utilization, and prices were taken from reports prepared either by him or under his guidance.

The following are the chief agencies from the reports of which these data were compiled: the California Crop and Livestock Reporting Service, the Federal-State Market News Service, the United States Bureau of Agricultural Economics, the United States Office of Foreign Agricultural Relations, the United States Department of Commerce, the Pear Growers League, the Canners League of California, the Dried Fruit Association of California, the National Canners Association, the California Fruit News, and the Western Canner and Packer.

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List of Tables

Table number

1. Pears, All Varieties: Number of Trees, Bearing, Nonbearing, and Total, United States and Pacific Coast, Census Years 1910-1945

2. Pears, All Varieties: Production, United States by Chief States, 1919-1946

3. Pears, All Varieties: California Bearing Acreage, Production, Per Cent of Full Crop, and Returns to Growers, 1909-1946

4. Pears, Other Than Bartletts: Production, Pacific Coast by States, 1919-1946

5. Pears, Other Than Bartletts: California Bearing Acreage, Production, Per Cent of Full Crop, and Returns to Growers, 1919-1946

6. Pears, Other Than Bartletts: California Production and Utilization, 1919-1946

7. Pears, Other Than Bartletts: California Production and Utilization by Varieties, 1939-1946

8. Pears, Other Than Bartletts: California Returns to Growers Per Ton by Type of Utilization, 1919-1946

9. Hardy Pears: California Acres, Production, Yield, and Utilization, 1936-1946

10. Hardy Pears: California Production and Returns to Growers Per Ton by Type of Utilization, 1919-1946

11. Bartlett Pears: Pacific Coast Production by States, 1919-1946

12. Bartlett Pears: Pacific Coast Production and Utilization, 1919-1946

13. Bartlett Pears: California Bearing Acreage, Production, Per Cent of Full Crop, and Returns to Growers, 1919-1946

14. Bartlett Pears: California Production and Utilization, 1919-1946

15. Bartlett Pears: California Returns to Growers Per Ton by Type of Utilization, 1919-1946

16. Pears, All Varieties: United States Exports, Fresh, Canned, and Dried, Equivalent Fresh Weight, 1923-1945

17. Pears, All Varieties: United States, Fresh Exports and California and Pacific Northwest, Fresh Shipments, 1921-1946

List of Tables
(continued)

Table number

18. Pears, All Varieties: United States Fresh Exports by Chief Countries of Destination, Years Beginning July 1, Averages 1926-1944, Annual 1938-1945

19. Pears, All Varieties: United States Exports of Canned Pears by Chief Countries of Destination, Years Beginning July 1, Averages 1926-1944, Annual 1938-1945

20. Pears, Bartletts, Canned: Pacific Coast Canners' Supply, Shipments, and Prices, 1922-1946

21. Pears, Bartletts: California Dried Production, Exports, and Packers' F.o.b. Prices, 1921-1946

22. Pears, All Varieties: California Pears Marketed Fresh, Equivalent On-Tree Returns Per Bushel to Growers by Chief Varieties, 1919-1945

23. United States Index Numbers of Nonagricultural Income and of Prices Received and Paid by Farmers and Relative Returns to California Growers for Pears, 1919-1946

TABLE 1

Pears, All Varieties: Number of Trees, Bearing, Nonbearing, and Total, United States and Pacific Coast Census Years 1910-1945

Year	United States total	Pacific Coast					Other states
		Total	California	Pacific Northwest			
				Total	Washington	Oregon	
	1	2	3	4	5	6	7
	thousands of trees of all ages						
1910	23,975	3,787	1,809	1,978	909	1,069	20,188
1920	20,700	6,476	4,484	1,992	1,050	942	14,224
1925	23,198	10,188	7,398	2,790	1,476	1,314	13,010
1930	21,271	11,100	7,489	3,611	2,129	1,482	10,171
1935	19,436	9,715	6,079	3,636	2,044	1,592	9,721
1940	14,460	7,340	4,497	2,843	1,558	1,285	7,120
1945	13,888	7,272	4,343	2,929	1,582	1,347	6,616
	thousands of trees of bearing age						
1910	15,172	1,975	1,411	564	291	273	13,197
1920	14,647	3,900	2,306	1,594	867	727	10,747
1925[a]							
1930	16,042	8,020	5,644	2,376	1,371	1,005	8,022
1935	16,695	8,377	5,488	2,889	1,680	1,209	8,318
1940	12,414	6,720	4,203	2,517	1,438	1,079	5,694
1945[a]							
	thousands of trees not of bearing age						
1910	8,804	1,812	398	1,414	618	796	6,992
1920	6,052	2,576	2,178	398	183	215	3,476
1925[a]							
1930	5,228	3,080	1,845	1,235	758	477	2,148
1935	2,741	1,338	591	747	364	383	1,403
1940	2,046	619	294	325	119	206	1,427
1945[a]							
	per cent nonbearing trees of trees of all ages						
1910	36.7	47.8	22.0	71.5	68.0	74.4	34.6
1920	29.2	39.8	48.6	20.0	17.5	22.8	24.4
1925[a]							
1930	24.6	27.7	24.6	34.2	35.6	32.2	21.1
1935	14.1	13.8	9.7	20.5	17.8	24.1	14.4
1940	14.2	8.4	6.5	11.4	7.7	16.0	20.0
1945[a]							

[a] Censuses of 1925 and 1945 did not segregate bearing and nonbearing trees but reported total of all ages only.

Source of data: Compiled by S. W. Shear, Giannini Foundation of Agricultural Economics, University of California, from United States Census Bureau Reports on Agriculture.

TABLE 2
Pears, All Varieties: Production,
United States by Chief States, 1919-1946

Crop year	United States	Pacific	California	Pacific Northwest			Other states
				Total	Washington	Oregon	
	1	2	3	4	5	6	7
	total harvested and unharvested, short tons[a]						
1919	367,650	173,250	111,000	62,250	43,230	19,020	194,400
1920	432,440	167,140	106,000	61,140	40,140	21,000	265,300
1921	285,380	161,380	89,000	72,380	46,880	25,500	124,000
1922	505,980	239,580	150,000	89,580	56,000	33,580	266,400
1923	427,550	243,450	137,000	106,450	68,200	38,250	184,100
1924	462,550	217,850	133,000	84,850	48,670	36,180	244,700
1925	496,770	284,470	181,000	103,470	62,100	41,370	212,300
1926	603,580	349,080	204,000	145,080	90,000	55,080	254,500
1927	449,080	286,080	181,000	105,080	50,400	54,680	163,000
1928	602,900	406,300	226,000	180,300	103,500	76,800	196,600
1929	535,250	347,950	190,000	157,950	83,050	74,900	187,300
1930	667,790	479,190	273,000	206,190	117,930	88,260	188,600
1931	622,820	368,720	219,000	149,720	99,400	50,320	254,100
1932	602,700	426,100	244,000	182,100	107,680	74,420	176,600
1933	590,940	420,340	222,000	198,340	127,100	71,240	170,600
1934	692,660	428,260	234,000	194,260	128,600	65,660	264,400
1935	641,710	402,110	165,000	237,110	152,280	84,830	239,600
1936	673,070	487,370	241,000	246,370	153,320	93,050	185,700
1937	720,800	480,700	227,000	253,700	165,000	88,700	240,100
1938	780,780	567,380	284,000	283,380	178,030	105,350	213,400
1939	721,430	513,030	253,000	260,030	155,000	105,030	208,400
1940	734,880	493,980	226,000	267,980	160,500	107,480	240,900
1941	729,000	498,100	223,000	275,100	173,850	101,250	230,900
1942	758,180	509,080	234,000	275,080	166,880	108,200	249,100
1943	602,080	503,080	301,000	202,080	131,650	70,430	99,000
1944	788,470	575,470	250,000	325,470	216,620	108,850	213,000
1945	836,020	671,220	341,000	330,220	194,250	135,970	164,800
1946[b]	874,275	687,375	310,000	377,375	227,250	150,125	186,900

[a] All harvested 1919-1926 but for most years thereafter includes unharvested in California and for Oregon and Washington beginning 1932. See tables 3, 4, and 11.

[b] Preliminary 1946 data.

Source of data: Compiled by Giannini Foundation of Agricultural Economics, University of California, from latest official reports of the United States Bureau of Agricultural Economics Crop Reporting Board and the California Crop and Livestock Reporting Service. Conversions involved are at 48 pounds per bushel for California and 50 pounds for other states.

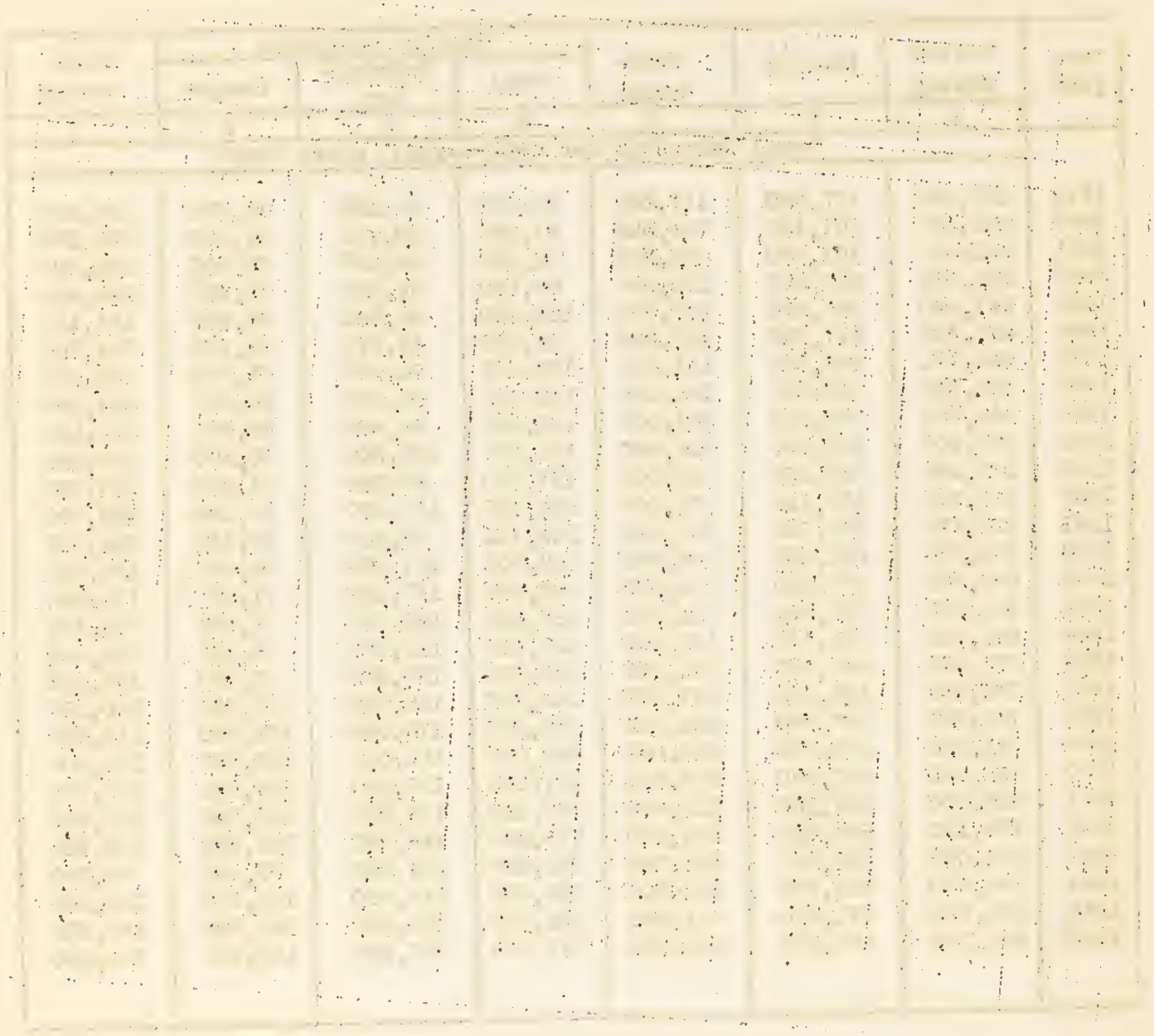

TABLE 3

Pears, All Varieties: California Bearing Acreage, Production, Per Cent of Full Crop and Returns to Growers, 1909-1946

Crop year	Bearing acres[a]	Production		Nov. 1 full crop	Yield per acre	Returns to growers[b]	
		Total	Of no value			Price per ton	Total
	1	2	3	4	5	6	7
	acres	short tons		per cent	tons	dollars	$1000
1909	--	55,000	0	82	--	36.10	1,986
1910	--	54,000	0	81	--	40.30	2,176
1911	--	62,000	0	80	--	32.40	2,009
1912	--	77,000	0	88	--	30.60	2,356
1913	--	57,000	0	72	--	47.30	2,696
1914	--	70,000	0	87	--	38.90	2,723
1915	--	66,000	0	74	--	28.40	1,874
1916	--	83,000	0	80	--	52.60	4,366
1917	--	91,000	0	95	--	54.80	4,987
1918	--	90,000	0	84	--	64.50	5,805
1919	23,056	111,000	0	98	4.81	86.80	9,631
1920	29,366	106,000	0	85	3.61	95.80	10,158
1921	31,434	89,000	0	63	2.83	65.60	5,830
1922	37,681	150,000	0	96	3.98	48.40	7,264
1923	40,962	137,000	0	87	3.34	47.30	6,480
1924	43,125	133,000	0	73	3.08	72.70	9,670
1925	46,773	181,000	0	85	3.87	52.70	9,533
1926	51,993	204,000	0	90	3.92	37.50	7,656
1927	57,639	181,000	2,000	69	3.14	57.20	10,243
1928	60,749	226,000	2,000	86	3.72	44.00	9,863
1929	65,637	190,000	0	68	2.89	73.30	13,931
1930	65,288	273,000	31,000	84	4.18	24.80	6,008
1931	66,421	219,000	15,000	67	3.30	29.20	5,949
1932	69,580	244,000	63,000	70	3.51	14.70	2,667
1933	70,474	222,000	40,000	65	3.15	22.60	4,106
1934	68,969	234,000	9,000	68	3.39	33.40	7,520
1935	61,388	165,000	0	49	2.69	29.70	4,898
1936	53,839	241,000	0	70	4.48	26.40	6,360
1937	53,762	227,000	12,000	71	4.22	28.70	6,177
1938	52,801	284,000	18,000	83	5.38	13.70	3,635
1939	51,105	253,000	5,000	74	4.95	26.70	6,624
1940	46,993	226,000	9,000	70	4.81	25.90	5,614
1941	44,823	223,000	0	70	4.98	40.60	9,047
1942	44,051	234,000	2,000	72	5.31	64.20	14,883
1943	44,134	301,000	5,000	86	6.82	77.90	23,065
1944	44,387	250,000	3,000	65	5.63	87.10	21,505
1945	44,374	341,000	8,000	86	7.68	79.90	26,603
1946[c]	44,440	310,000	0	77	6.98	100.40	31,132

[a] Nonbearing acres: 1936--5,700; 1937--4,700; 1938--3,700; 1939--2,900; 1940--2,200; 1941--1,863; 1942--1,774; 1943--1,518; 1944--1,236; 1945--1,012.

[b] Returns for naked fruit at growers' first delivery point.

[c] Preliminary 1946 estimates.

Source of data: Compiled by the California Crop and Livestock Reporting Service.

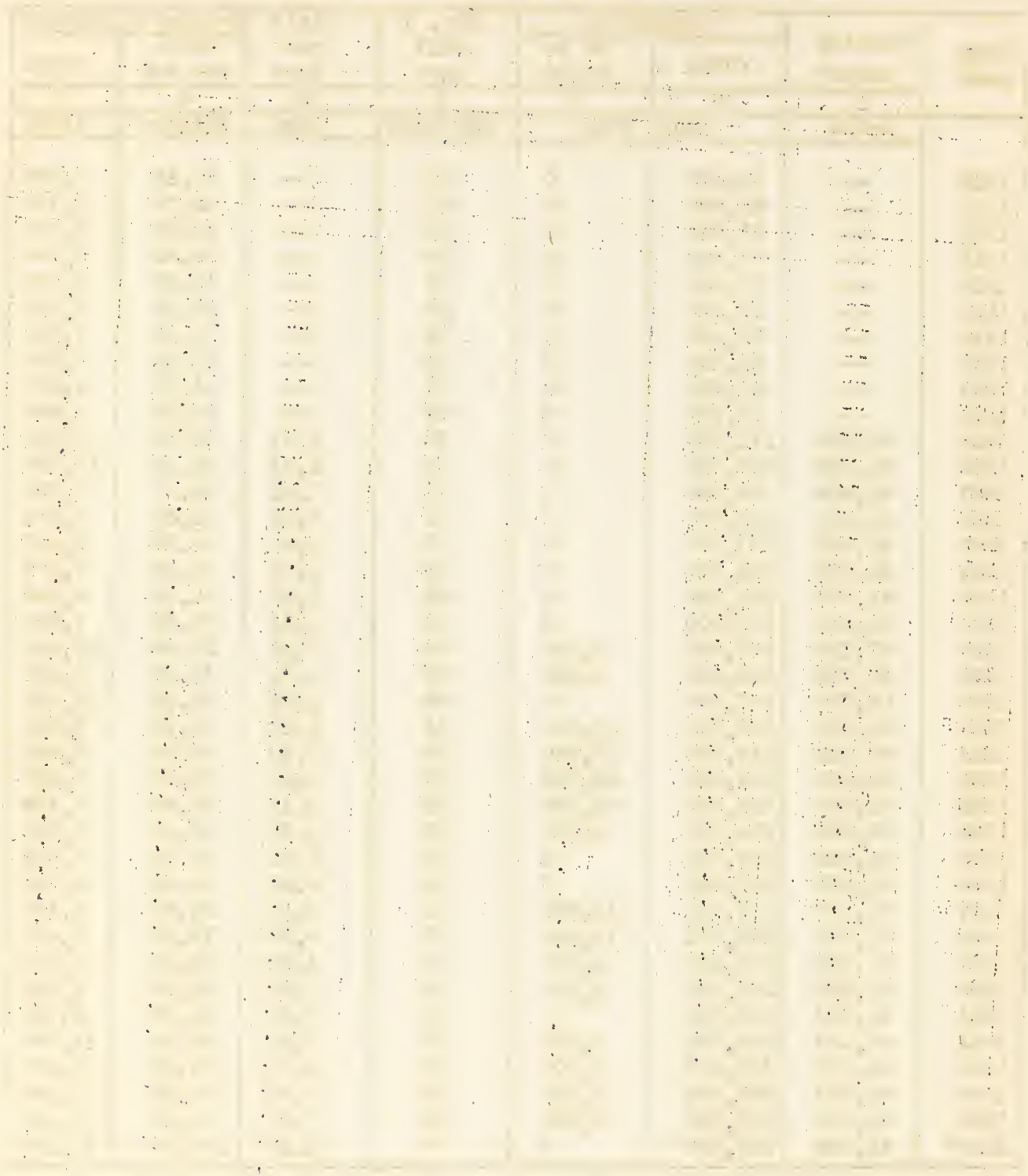

TABLE 4
Pears Other Than Bartletts: Production,
Pacific Coast by States, 1919-1946

Crop year	Pacific Coast	Cali-[a] fornia	Pacific Northwest			Not utilized[b]	
			Total	Oregon	Wash-ington	Oregon	Wash-ington
	1	2	3	4	5	6	7
	short tons, fresh weight						
1919	27,670	6,400	21,270	9,520	11,750		0
1920	28,020	7,000	21,020	9,800	11,220		0
1921	34,680	9,000	25,680	11,300	14,380		0
1922	45,680	12,000	33,680	19,780	13,900		0
1923	53,150	12,000	41,150	21,850	19,300		0
1924	41,730	13,000	28,730	18,480	10,250		0
1925	49,300	12,000	37,300	24,350	12,950	0	0
1926	67,200	16,000	51,200	26,500	24,700	0	0
1927	65,980	17,000	48,980	35,400	13,580	0	0
1928	99,720	22,000	77,720	46,120	31,600	0	0
1929	82,100	17,000	65,100	43,500	21,600	0	0
1930	125,060	32,000	93,060	54,480	38,580	0	0
1931	86,220	25,000	61,220	30,120	31,100	0	0
1932	109,820	27,000	82,820	47,520	35,300	8,750	5,000
1933	119,120	30,000	89,120	48,320	40,800	10,750	4,500
1934	106,380	34,000	72,380	36,880	35,500	4,550	1,580
1935	116,780	18,000	98,780	49,280	49,500	0	3,470
1936	131,850	31,000	100,850	53,350	47,500	2,820	2,320
1937	136,250	26,000	110,250	56,500	53,750	0	6,400
1938	174,280	48,000	126,280	65,000	61,280	4,280	12,350
1939	144,380	33,000	111,380	61,880	49,500	2,500	11,300
1940	144,580	36,000	108,580	63,580	45,000	2,000	11,070
1941	117,750	17,000	100,750	56,900	43,850	3,250	2,100
1942	127,500	22,000	105,500	64,000	41,500	3,750	750
1943	99,780	30,000	69,780	35,780	34,000	0	0
1944	138,500	30,000	108,500	64,000	44,500	0	0
1945	163,100	46,000	117,100	79,730	49,250	0	0
1946[c]	193,320	42,000	151,320	92,820	58,500		

[a] See table 5 for California tonnage harvested.

[b] Not utilized and of no value, unharvested and also includes abnormal cullage occurring in a few years.

[c] Preliminary 1946 data.

Source of data:
Compiled by S. W. Shear, Giannini Foundation of Agricultural Economics, University of California, from reports of the United States Crop Reporting Board and the California Crop and Livestock Reporting Service.

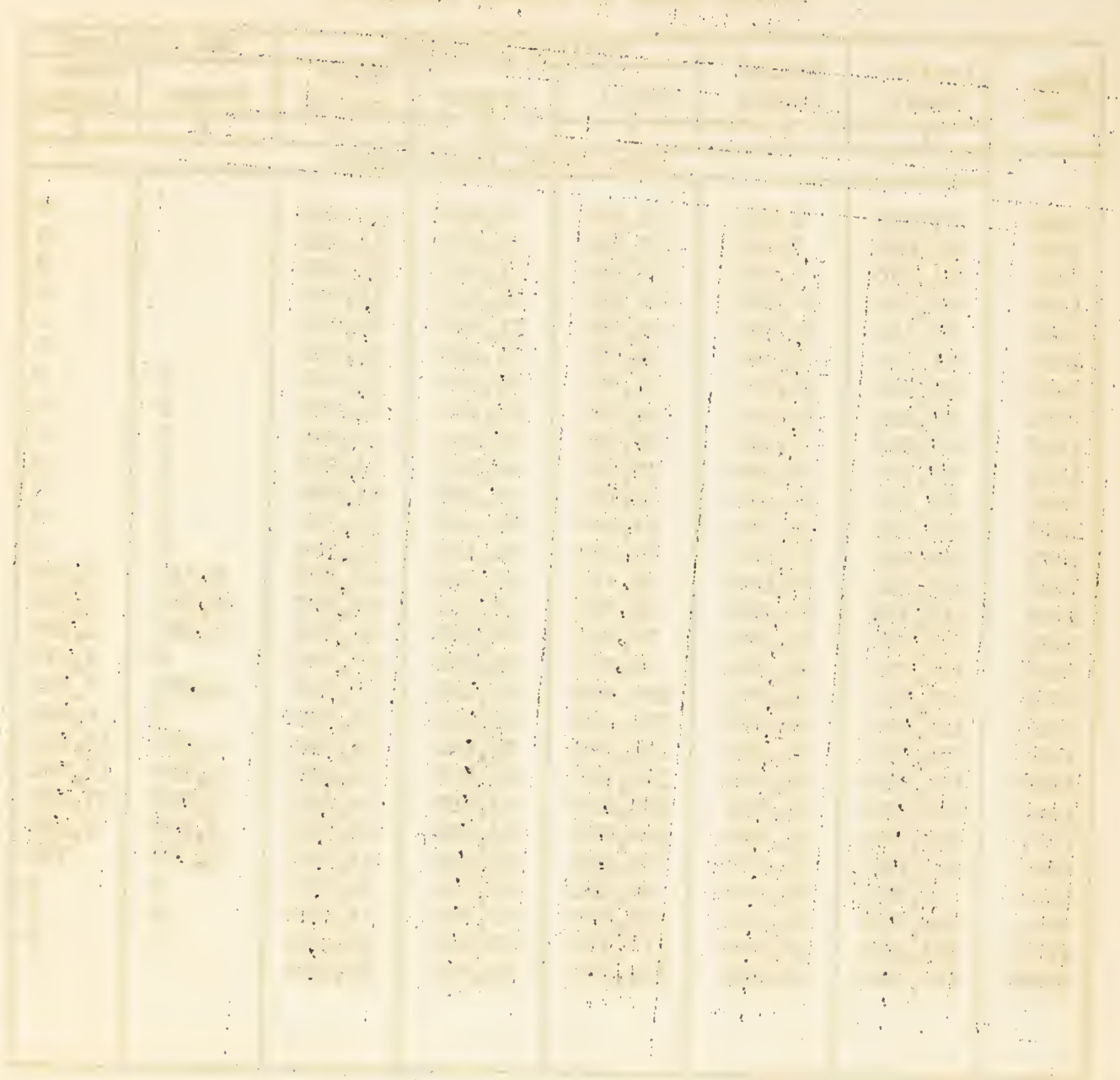

TABLE 5

Pears Other Than Bartletts: California Bearing Acreage, Production, Per Cent of Full Crop, and Returns to Growers, 1919-1946

Crop year	Bearing acres [a]	Production		Nov. 1	Yield	Returns to growers [b]	
		Total	Harvested of value	% of full crop	per acre	Price per ton	Total
	1	2	3	4	5	6	7
	Acres	Short tons		%	Tons	Dollars	$1,000
1919		6,400	6,400			104.30	667
1920		7,000	7,000			110.50	773
1921		9,000	9,000			82.30	742
1922		12,000	12,000			57.90	695
1923		12,000	12,000			69.20	830
1924		13,000	13,000			96.70	1,258
1925		12,000	12,000			69.10	829
1926		16,000	16,000			48.50	775
1927	5,963	17,000	17,000		2.85	87.90	1,495
1928	6,627	22,000	22,000		3.32	54.40	1,197
1929	8,307	17,000	17,000		2.05	71.50	1,215
1930	8,768	32,000	31,000	86	3.65	20.90	649
1931	9,241	25,000	25,000	72	2.71	31.70	794
1932	9,722	27,000	23,000	77	2.78	11.50	265
1933	9,962	30,000	23,000	67	3.01	20.20	465
1934	9,954	34,000	31,000	74	3.42	27.90	866
1935	9,218	18,000	18,000	47	1.95	32.80	591
1936	8,302	31,000	31,000	73	3.73	27.00	837
1937	8,276	26,000	24,000	65	3.14	33.00	791
1938	8,254	48,000	46,000	87	5.82	11.60	533
1939	7,798	33,000	30,000	73	4.23	15.90	476
1940	7,205	36,000	32,000	79	5.00	17.00	545
1941	6,280	17,000	17,000	46	2.71	37.80	642
1942	6,078	22,000	22,000	62	3.62	60.80	1,338
1943	6,119	30,000	30,000	80	4.90	85.20	2,556
1944	6,204	30,000	30,000	66	4.84	86.80	2,604
1945	6,148	46,000	46,000	86	7.48	83.60	3,844
1946 [c]	6,190	42,000	42,000	79	6.78	97.40	4,091

a Nonbearing acres: 1936, 1,390; 1937, 1,255; 1938, 967; 1939, 840; 1940, 652; 1941, 495; 1942, 433; 1943, 309; 1944, 229; 1945, 140.

b Returns for naked fruit at growers' first delivery point.

c Preliminary 1946 estimates.

Source: Compiled by the California Crop and Livestock Reporting Service.

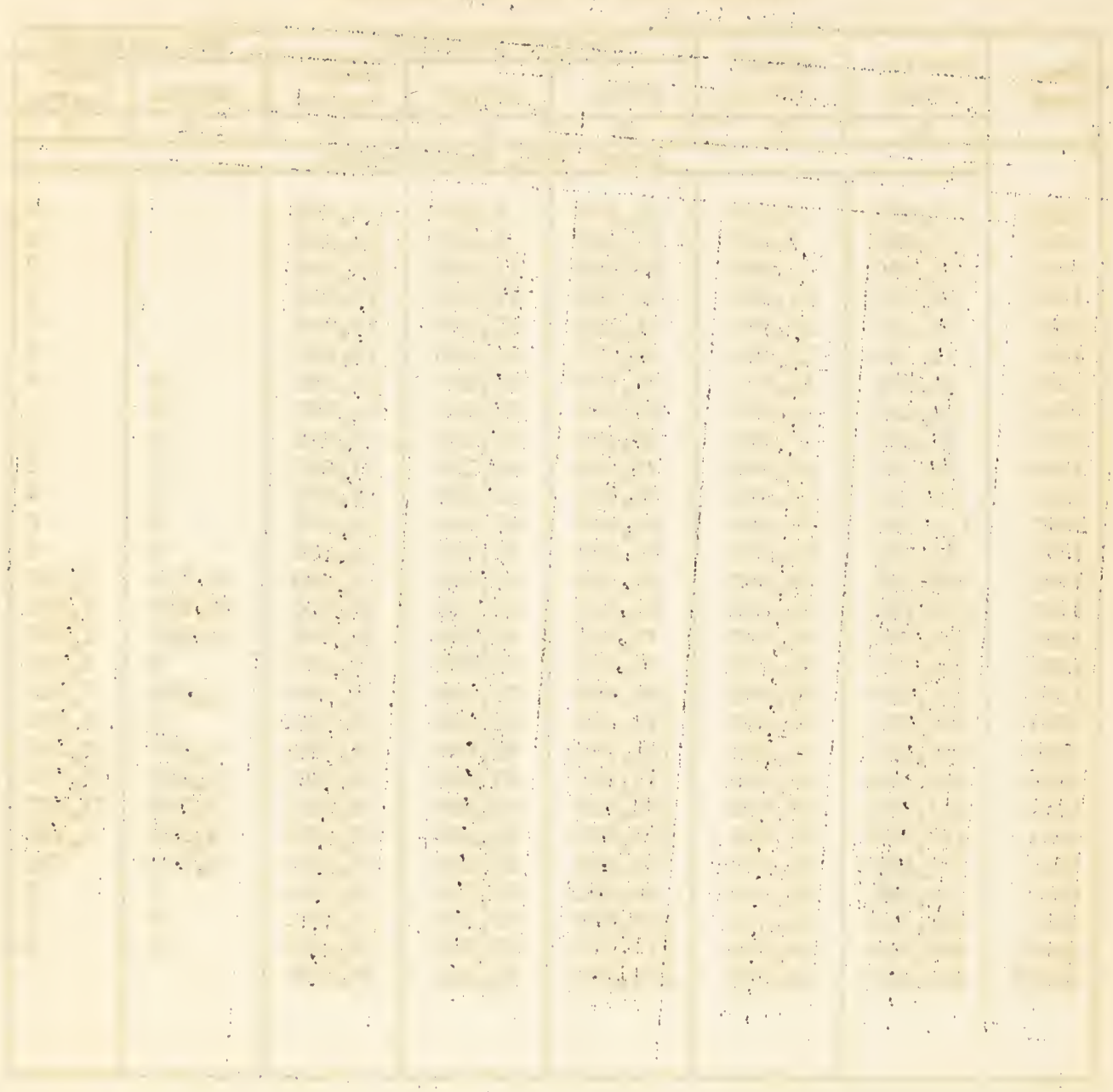

TABLE 5

Pears Other Than Bartletts: California Bearing Acreage, Production, Per Cent of Full Crop, and Returns to Growers, 1919-1946

Crop year	Bearing acres [a]	Production		Nov. 1	Yield	Returns to growers [b]	
		Total	Harvested of value	% of full crop	per acre	Price per ton	Total
	1	2	3	4	5	6	7
	Acres	Short tons		%	Tons	Dollars	$1,000
1919		6,400	6,400			104.30	667
1920		7,000	7,000			110.50	773
1921		9,000	9,000			82.30	742
1922		12,000	12,000			57.90	695
1923		12,000	12,000			69.20	830
1924		13,000	13,000			96.70	1,258
1925		12,000	12,000			69.10	829
1926		16,000	16,000			48.50	775
1927	5,963	17,000	17,000		2.85	87.90	1,495
1928	6,627	22,000	22,000		3.32	54.40	1,197
1929	8,307	17,000	17,000		2.05	71.50	1,215
1930	8,768	32,000	31,000	86	3.65	20.90	649
1931	9,241	25,000	25,000	72	2.71	31.70	794
1932	9,722	27,000	23,000	77	2.78	11.50	265
1933	9,962	30,000	23,000	67	3.01	20.20	465
1934	9,954	34,000	31,000	74	3.42	27.90	866
1935	9,218	18,000	18,000	47	1.95	32.80	591
1936	8,302	31,000	31,000	73	3.73	27.00	837
1937	8,276	26,000	24,000	65	3.14	33.00	791
1938	8,254	48,000	46,000	87	5.82	11.60	533
1939	7,798	33,000	30,000	73	4.23	15.90	476
1940	7,205	36,000	32,000	79	5.00	17.00	545
1941	6,280	17,000	17,000	46	2.71	37.80	642
1942	6,078	22,000	22,000	62	3.62	60.80	1,338
1943	6,119	30,000	30,000	80	4.90	85.20	2,556
1944	6,204	30,000	30,000	66	4.84	86.80	2,604
1945	6,148	46,000	46,000	86	7.48	83.60	3,844
1946 [c]	6,190	42,000	42,000	79	6.78	97.40	4,091

a Nonbearing acres: 1936, 1,390; 1937, 1,255; 1938, 967; 1939, 840; 1940, 652; 1941, 495; 1942, 433; 1943, 309; 1944, 229; 1945, 140.

b Returns for naked fruit at growers' first delivery point.

c Preliminary 1946 estimates.

Source: Compiled by the California Crop and Livestock Reporting Service.

TABLE 6

Pears Other Than Bartletts:
California Production and Utilization, 1919-1946

Crop year	Production		Utilization of sales					
	Total [a]	Of value [b]	Total sold	Marketed fresh			Processed	
				Total	Out state	In state	Canned	Dried
	1	2	3	4	5	6	7	8
	Short tons, fresh weight							
1919	6,400	6,400	6,300	6,300	6,000	300		
1920	7,000	7,000	6,900	6,900	6,500	400		
1921	9,000	9,000	8,900	8,900	8,600	300		
1922	12,000	12,000	11,900	11,900	11,500	400		
1923	12,000	12,000	11,800	11,800	11,400	400		
1924	13,000	13,000	12,800	12,800	12,100	700		
1925	12,000	12,000	11,800	11,800	11,100	700		
1926	16,000	16,000	15,800	15,800	14,900	900		
1927	17,000	17,000	16,800	16,800	15,400	1,400		
1928	22,000	22,000	21,800	21,800	20,500	1,300		
1929	17,000	17,000	16,700	16,700	15,000	1,700		
1930	32,000	31,000	30,800	30,800	28,200	2,600		
1931	25,000	25,000	24,800	24,800	22,700	2,100		
1932	27,000	23,000	22,800	22,800	20,300	2,500		
1933	30,000	23,000	22,800	22,800	20,300	2,500		
1934	34,000	31,000	30,800	30,800	28,100	2,700		
1935	18,000	18,000	17,800	17,400	15,200	2,200	400	
1936	31,000	31,000	30,800	30,100	27,000	3,100	500	200
1937	26,000	24,000	23,800	23,300	20,700	2,600	500	0
1938	48,000	46,000	45,800	45,800	41,000	4,800	0	0
1939	33,000	30,000	29,800	29,800	24,800	5,000	0	0
1940	36,000	32,000	31,800	21,300	14,700	6,600	10,400	100
1941	17,000	17,000	16,800	6,300	2,800	3,500	10,500	0
1942	22,000	22,000	21,800	10,600	6,100	4,500	11,000	200
1943	30,000	30,000	29,800	17,200	13,100	4,100	12,100	100
1944	30,000	30,000	29,800	15,500	10,700	4,800	14,300	0
1945	46,000	46,000	45,800	24,900	17,600	7,300	19,000	1,600
1946 [c]	42,000	42,000	41,800	22,000	18,000	4,000	18,000	1,800

a Total production includes, if any, unharvested of no value, equal to the difference between it and total of value in Col. 2.

b Difference between production of value (Col. 2) and total sold (Col. 3) is estimated quantity used in homes on farms where grown.

c Preliminary 1946 data, unofficial estimates of utilization.

Source: Compiled by the California Crop and Livestock Reporting Service except 1946 data are preliminary unofficial estimates of utilization.

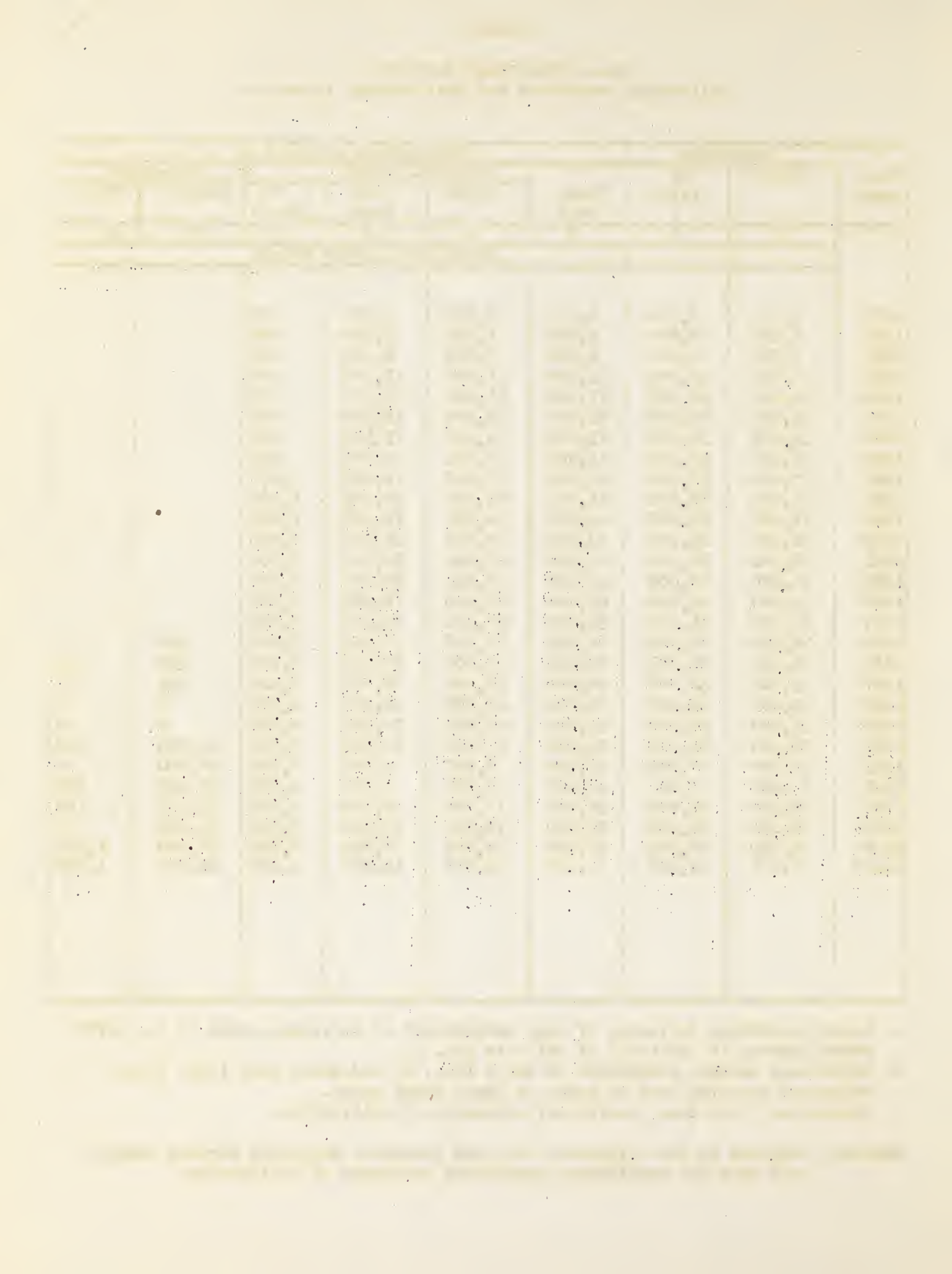

TABLE 7
Pears Other Than Bartletts:
California Production and Utilization by Varieties, 1939-1946

Variety and use	1939	1940	1941	1942	1943	1944	1945	1946
	short tons, fresh weight							
All varieties[a]								
Total	32,453	35,164	15,955	21,486	28,726	29,575	43,572	38,911
No value	3,000	4,000	500	500	500	300	0	0
Of value	29,453	31,164	15,455	20,986	28,226	29,275	43,572	38,911
Fresh	29,453	21,034	4,952	10,088	16,009	15,375	24,489	21,700
Canned	0	10,130	10,503	10,898	12,217	13,900	19,083	17,211
Hardy[a]								
Of value	14,661	17,651	7,040	9,852	14,873	14,607	21,412	16,606
Fresh	14,661	9,701	85	133	3,051	2,457	4,270	2,246
Canned	0	7,950	6,955	9,719	11,822	12,150	17,142	14,360
Nelis								
Of value	6,805	4,773	2,684	2,882	3,915	5,876	7,480	12,045
Fresh	6,805	4,698	1,900	2,579	3,839	4,326	5,861	9,390
Canned	0	75	784	303	76	1,550	1,619	2,655
Comice								
Of value	2,751	4,979	1,442	3,211	3,730	3,768	7,628	4,369
Fresh	2,751	4,404	1,388	3,092	3,639	3,693	7,628	4,369
Canned	0	575	54	119	91	75	0	0
Bosc								
Of value	3,228	2,415	3,094	3,359	3,838	2,908	4,533	2,731
Fresh	3,228	905	431	2,602	3,610	2,783	4,211	2,535
Canned	0	1,510	2,663	757	228	125	322	196
Anjou								
Of value	1,085	921	855	974	1,035	1,312	1,570	2,013
Fresh	1,085	901	808	974	1,035	1,312	1,570	2,013
Canned	0	20	47	0	0	0	0	0
Forelle, fresh	262	175	128	193	245	204	185	260
Other, fresh	661	250	212	515	590	600	764	887

[a] Totals of all varieties and of Hardys are slightly less than corresponding official estimates of the California Crop and Livestock Reporting Service, but these are the only published data available by individual varieties for California production and utilization of pears other than Bartletts and Hardys.

Source: Rearranged from data in Pear Growers' League Annual, San Jose, California, 1947, p. 56, compiled by it from records of Federal and California State Marketing Agreements and of the Pear Growers' League.

TABLE 8

Pears Other Than Bartletts: California
Returns to Growers Per Ton by Type of Utilization, 1919-1946

Crop year	All sold	Sales to fresh markets			Processed		
		All fresh	Out state	In state	Canned	Dried	Crushed
	1	2	3	4	5	6	7
	Dollars per fresh ton [a]						
1919	104.30	104.30	106.00	70.30			
1920	110.50	110.50	112.40	79.50			
1921	82.30	82.30	83.10	58.30			
1922	57.90	57.90	58.30	45.70			
1923	69.20	69.20	69.70	56.00			
1924	96.70	96.70	98.30	68.40			
1925	69.10	69.10	69.90	56.10			
1926	48.50	48.50	49.00	39.70			
1927	87.90	87.90	89.00	76.30			
1928	54.40	54.40	55.40	38.40			
1929	71.50	71.50	72.40	63.50			
1930	20.90	20.90	21.30	16,80			
1931	31.70	31.70	32.40	24.50			
1932	11.50	11.50	12.10	6.30			
1933	20.20	20.20	20.70	15.90			
1934	27.90	27.90	28.30	23.60			
1935	32.80	33.10	33.60	30.00	20.00		
1936	27.00	27.20	27.10	28.10	20.00	18.00	
1937	33.00	33.30	33.70	29.80	20.00		
1938	11.60	11.60	12.00	7.80			
1939	15.90	15.90	16.40	13.40			
1940	17.00	18.10	19.00	16.20	14.80	13.70	
1941	37.80	39.00	38.20	39.70	37.00		
1942	60.80	60.00	60.00	60.00	62.00	36.30	
1943	85.20	101.95	104.30	94.30	64.00	54.60	15.00
1944	86.80	93.10	90.00	100.00	80.00		
1945	83.60	95.00	95.00	95.00	73.00	44.00	17.00
1946[b]	97.40						

a Returns for naked fruit at growers first delivery point.
b Preliminary 1946 data.

Source: Compiled by the California Crop and Livestock Reporting Service

TABLE 9

Hardy Pears: California
Acres, Production, Yield and Utilization, 1936-1946

Crop year	Acreage		Yield per acre	Production [a]		Utilization [a]			
	Non-bearing	Bearing		Total	Of value [b]	To fresh markets			Canned [c]
						Total	Out state	In state	
	1	2	3	4	5	6 = (7+8)	7	8	9
	Acres		Short tons, fresh weight						
1936	568	2,205	4.54	10,000	10,000	9,900	9,500	400	0
1937	470	2,341	4.27	10,000	9,300	9,200	9,000	200	0
1938	405	2,457	9.12	22,400	21,400	21,300	21,000	300	0
1939	325	2,504	6.39	16,000	15,000	14,900	13,200	1,700	0
1940	249	2,506	7.18	18,000	17,300	9,700	8,900	800	7,500
1941	158	2,110	3.46	7,300	7,300	250	100	150	6,950
1942	126	2,093	4.83	10,100	10,100	200	100	100	9,800
1943	87	2,073	7.24	15,000	15,000	3,200	3,000	200	11,700
1944	65	2,107	6.98	14,700	14,700	2,500	1,700	800	12,100
1945	59	2,049	10.74	22,000	22,000	4,300	3,400	900	17,600
1946 [d]			8.50	17,000	17,000	2,200	1,500	700	14,700

a Before 1936 all Hardys were harvested and all used fresh except following unharvested tons: 1932, 600 tons; 1934, 600 tons; 1937, 700 tons; 1938, 1,000 tons; 1939, 1,000 tons; 1940, 700 tons. Shipments out of the state accounted for all except the following tonnages: Used on farms where grown, per year 1919-1922, 50; 1923- 1945, 100; sales to in-state markets per year, 1919-1925, 100; 1926-1935, 200 tons.

b Difference between production of value (Col. 5) and sum of sold for canned (Col. 9) plus fresh markets (Col.6) is estimated quantity. Used fresh in homes on farm where grown.

c Canned only except includes fresh tons dried 1945, 500; 1946, 300 tons.

d Preliminary 1946 data.

Source: Compiled by California Crop and Livestock Reporting Service except 1946 data are preliminary unofficial estimates.

TABLE 10
Hardy Pears: California Production and Returns to Growers Per Ton by Type of Utilization, 1919-1946

Crop year	Production		Returns to growers[a]				
				Per ton			
	Total	Harvested of value	Total of value	All sales[b]	To fresh markets		
					All	Out state	In state
	1	2	3	4	5	6	7
	short tons		dollars				
1919	1,850	1,850	192,000	103.70	103.70	106.00	65.00
1920	2,150	2,150	253,000	117.90	117.90	120.00	75.00
1921	2,350	2,350	233,000	99.00	99.00	101.00	55.00
1922	2,550	2,550	159,000	62.20	62.20	63.00	42.00
1923	2,700	2,700	192,000	71.20	71.20	72.00	50.00
1924	3,000	3,000	314,000	104.60	104.60	106.00	65.00
1925	3,600	3,600	256,000	71.20	71.20	72.00	45.00
1926	4,700	4,700	227,000	48.40	48.40	49.00	35.00
1927	4,300	4,300	389,000	90.50	90.50	92.00	60.00
1928	5,100	5,100	301,000	59.00	59.00	60.00	35.00
1929	4,700	4,700	385,000	82.00	82.00	83.00	60.00
1930	8,000	8,000	237,000	29.60	29.60	30.00	15.00
1931	7,300	7,300	288,000	39.40	39.40	40.00	20.00
1932	7,100	6,500	166,000	25.50	25.50	26.00	10.00
1933	8,200	8,200	203,000	24.80	24.80	25.00	15.00
1934	10,600	10,000	288,000	28.80	28.80	29.00	18.00
1935	6,400	6,400	264,000	41.30	41.30	42.00	20.00
1936	10,000	10,000	306,000	30.60	30.60	31.00	22.00
1937	10,000	9,300	415,000	44.60	44.60	45.00	28.00
1938	22,400	21,400	255,000	11.90	11.90	12.00	5.00
1939	16,000	15,000	320,000	21.30	21.30	22.00	16.00
1940	18,000	17,300	310,000	17.90	21.00	21.30	18.30
1941	7,300	7,300	274,000	37.50	36.80	42.50	33.00
1942	10,100	10,100	626,000	62.00	60.00	60.00	60.00
1943	15,000	15,000	1,048,000	69.90	91.30	92.00	81.00
1944	14,700	14,700	1,233,000	83.90	93.20	90.00	100.00
1945	22,000	22,000	1,698,000	77.20	90.00	91.00	86.00
1946[c]	17,000	17,000					

[a] Returns for naked fruit at growers' first delivery point.

[b] All Hardy sales were to fresh markets until 1940. Sales since for other uses, per ton, to canners: 1940--$13.90; 1941--$37.50; 1942--$62.00; 1943--$64.00; 1944--$82.00; 1945--$75.00; dried, 1945, equivalent of $44.00 per fresh ton.

[c] Preliminary unofficial 1946 data.

Source of data: Compiled by the California Crop and Livestock Reporting Service, except 1946 data are preliminary unofficial estimates.

TABLE 11
Bartlett Pears:
Pacific Coast Production by States, 1919-1946

Crop year	Total production					Not utilized[b]	
	Pacific Coast total	California[a]	Pacific Northwest				
			Total	Oregon	Washington	Oregon	Washington
	1	2	3	4	5	6	7
	short tons, fresh weight						
1919	145,580	104,600	40,980	9,500	31,480	0	0
1920	139,120	99,000	40,120	11,200	28,920	0	0
1921	126,700	80,000	46,700	14,200	32,500	0	0
1922	193,900	138,000	55,900	13,800	42,100	0	0
1923	190,300	125,000	65,300	16,400	48,900	0	0
1924	176,120	120,000	56,120	17,700	38,420	0	0
1925	235,170	169,000	66,170	17,020	49,150	0	0
1926	281,880	188,000	93,880	28,580	65,300	0	0
1927	220,100	164,000	56,100	19,280	36,820	0	0
1928	306,580	204,000	102,580	30,680	71,900	0	0
1929	265,850	173,000	92,850	31,400	61,450	0	0
1930	354,130	241,000	113,130	33,780	79,350	0	0
1931	282,500	194,000	88,500	20,200	68,300	0	0
1932	316,280	217,000	99,280	26,900	72,380	0	7,500
1933	301,220	192,000	109,220	22,920	86,300	0	0
1934	321,880	200,000	121,880	28,780	93,100	0	2,500
1935	285,330	147,000	138,330	35,550	102,780	0	3,250
1936	355,520	210,000	145,520	39,700	105,820	0	3,280
1937	344,450	201,000	143,450	32,200	111,250	0	2,580
1938	393,100	236,000	157,100	40,350	116,750	8,750	27,120
1939	368,650	220,000	148,650	43,150	105,500	2,020	8,620
1940	349,400	190,000	159,400	43,900	115,500	0	8,020
1941	380,350	206,000	174,350	44,350	130,000	0	0
1942	384,180	212,000	172,180	45,600	126,580	1,000	0
1943	403,300	271,000	132,300	34,650	97,650	0	0
1944	436,970	220,000	216,970	44,850	172,120	0	7,170
1945	496,250	295,000	201,250	56,250	145,000	1,000	10,000
1946[c]	494,000	268,000	226,000	57,300	168,700	0	0

[a] See table 13 for tonnage unharvested in California.

[b] Not utilized and of no value, unharvested and also includes abnormal cullage occurring in a few years for Washington.

[c] Preliminary 1946 data.

Source of data: Compiled by S. W. Shear, Giannini Foundation of Agricultural Economics, University of California, from reports of the United States and California Crop and Livestock Reporting Service.

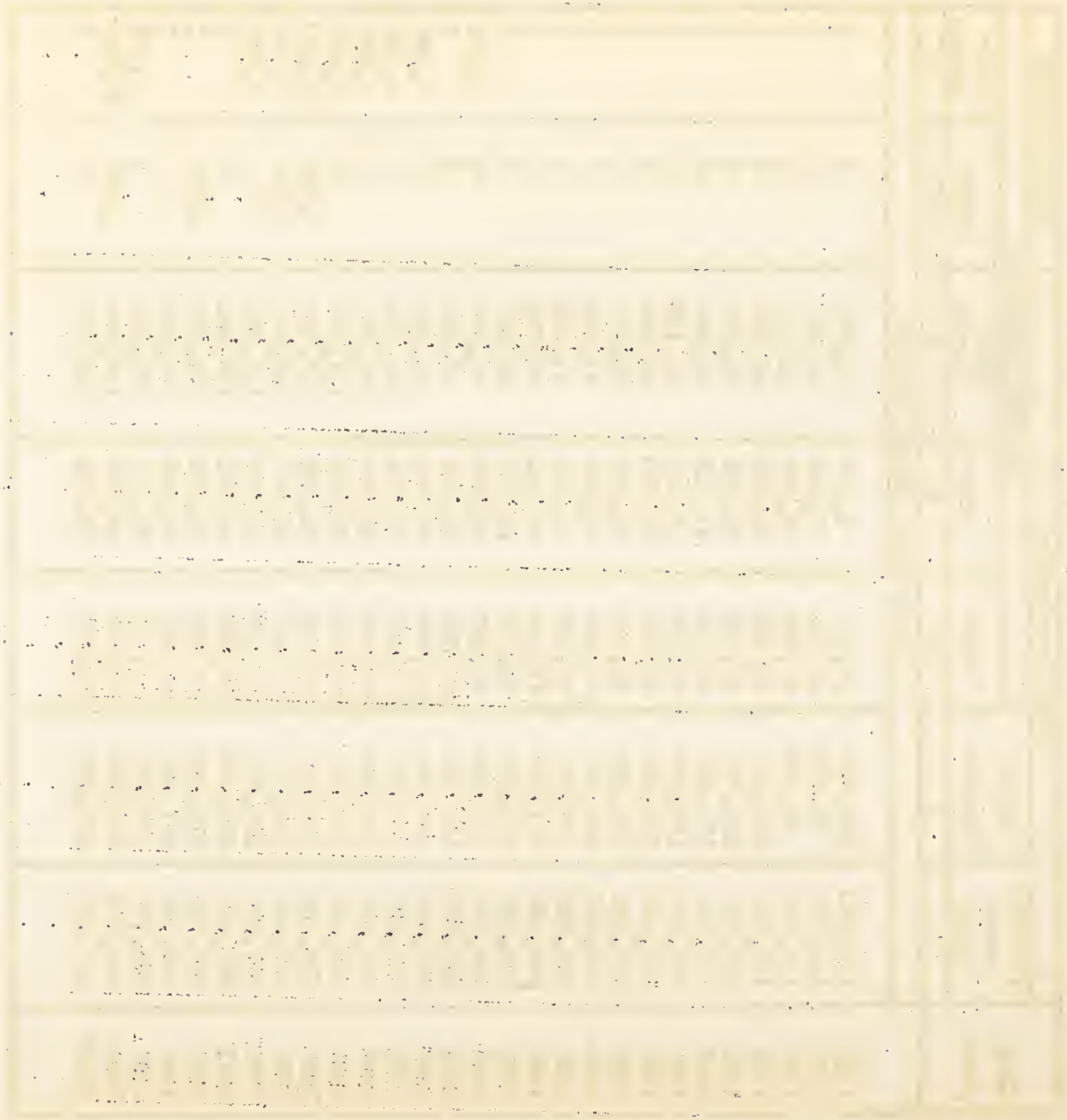

TABLE 12

Bartlett Pears: Pacific Coast Production and Utilization, 1919-1946

Crop year	Total production of value[a]			Marketed fresh[a]			Canned			Dried	Other
	Total	California	Northwest	Total	California	Northwest	Total	California	Northwest	Total[b]	Total[c]
	1	2	3	4	5	6	7	8	9	10	11
	short tons, fresh weight										
1919	145,580	104,600	40,980	81,580	51,600	29,980	39,200	28,200	11,000	24,800	
1920	139,120	99,000	40,120	82,020	52,900	29,120	42,200	31,200	11,000	14,900	
1921	126,700	80,000	46,700	86,100	50,400	35,700	34,000	23,000	11,000	6,600	
1922	193,900	138,000	55,900	97,400	65,500	31,900	69,000	45,000	24,000	27,500	
1923	190,300	125,000	65,300	130,300	84,000	46,300	49,000	30,000	19,000	11,000	
1924	176,120	120,000	56,120	99,820	65,700	34,120	59,000	37,000	22,000	17,300	
1925	235,170	169,000	66,170	122,070	91,700	30,370	93,800	58,000	35,800	19,300	
1926	281,880	188,000	93,880	170,780	113,600	57,180	87,700	51,000	36,700	23,400	
1927	218,100	162,000	56,100	124,750	94,000	30,750	74,350	49,000	25,350	19,000	
1928	304,580	202,000	102,580	159,680	109,900	49,780	114,300	61,500	52,800	30,600	
1929	265,850	173,000	92,850	128,350	94,600	33,750	114,400	55,300	59,100	23,100	
1930	324,130	211,000	113,130	185,830	136,900	48,930	113,500	49,300	64,200	24,800	
1931	267,500	179,000	88,500	143,200	107,400	35,800	100,300	47,600	52,700	24,000	
1932	249,780	158,000	91,780	132,980	90,700	42,280	86,800	37,300	49,500	30,000	
1933	268,220	159,000	109,220	107,620	70,000	37,620	122,300	50,700	71,600	38,300	
1934	313,380	194,000	119,380	131,230	96,800	34,430	155,050	70,100	84,950	27,100	
1935	282,080	147,000	135,080	121,580	77,400	44,180	126,600	36,000	90,600	33,600	300
1936	352,240	210,000	142,240	146,865	91,100	55,765	160,950	74,500	86,450	44,400	25
1937	331,870	191,000	140,870	155,120	95,700	59,420	157,500	76,100	81,400	19,200	50
1938	341,230	220,000	121,230	163,080	114,100	48,980	140,450	70,500	69,950	37,650	50
1939	356,010	218,000	138,010	133,330	87,800	45,530	174,600	85,600	89,000	48,030	50
1940	336,380	185,000	151,380	139,130	81,800	57,330	180,300	86,300	94,000	16,900	50
1941	380,350	206,000	174,350	131,055	72,200	58,855	228,520	113,700	114,820	20,100	675
1942	381,180	210,000	171,180	128,230	67,700	60,530	238,650	128,000	110,650	14,300	0
1943	398,300	266,000	132,300	176,800	110,400	66,400	194,150	129,600	64,550	21,650	5,700
1944	426,800	217,000	209,800	188,700	82,800	105,900	216,575	115,200	101,375	20,500	1,025
1945	477,250	287,000	190,250	236,650	138,200	98,450	211,900	125,900	86,000	26,475	2,225
1946[d]	494,000	268,000	226,000	220,000	104,000	116,000	254,000	144,000	110,000	20,000	c

(Continued on next page.)

(Table 12 continued.)

[a] Total production and marketed fresh includes from 7,000 to 11,000 tons a year estimated as used in homes on farms where grown.

[b] All dried in California except Oregon and Washington tons: 1938, 2250; 1939, 3,430; 1943, 1,350; 1944, 1,500; 1945, 3,775. Usual drying ratio 5.5 to 1.

[c] "Other" processed is chiefly crushed and frozen and are all from Oregon and Washington except from California 1943, 5,700 ton; 1945, 200. Data for 1946 not yet available.

[d] Preliminary 1946 data.

Sources of data:

Compiled by S. W. Shear, Giannini Foundation of Agricultural Economics, University of California, from official reports of the United States and California Crop Reporting Services for California, Washington, and Oregon, except 1919-1924 data include estimates by S. W. Shear for Oregon.

(Table 12 continued.)

[a] Total production and marketed fresh includes from 7,000 to 11,000 tons a year estimated as used in homes on farms where grown.

[b] All dried in California except Oregon and Washington tons: 1938, 2250; 1939, 3,430; 1943, 1,350; 1944, 1,500; 1945, 3,775. Usual drying ratio 5.5 to 1.

[c] "Other" processed is chiefly crushed and frozen and are all from Oregon and Washington except from California 1943, 5,700 ton; 1945, 200. Data for 1946 not yet available.

[d] Preliminary 1946 data.

Sources of data:

Compiled by S. W. Shear, Giannini Foundation of Agricultural Economics, University of California, from official reports of the United States and California Crop Reporting Services for California, Washington, and Oregon, except 1919-1924 data include estimates by S. W. Shear for Oregon.

TABLE 13
Bartlett Pears: California Bearing Acreage, Production
Per Cent of Full Crop and Returns to Growers, 1919-1946

Crop year	Bearing acres[b]	Production		Oct. 1 full crop	Yield per acre	Returns to growers[a]	
		Total	Of no value			Price per ton	Total
	1	2	3	4	5	6	7
	acres	short tons		per cent	tons	dollars	$1000
1919		104,600				85.70	8,964
1920		99,000				94.80	9,385
1921		80,000				63.60	5,088
1922		138,000				47.60	6,569
1923		125,000				45.20	5,650
1924		120,000				70.10	8,412
1925		169,000				51.50	8,704
1926		188,000				36.60	6,881
1927	51,676	164,000	2,000		3.17	54.00	8,748
1928	54,122	204,000	2,000		3.77	42.90	8,666
1929	57,330	173,000	0		3.02	73.50	12,716
1930	56,520	241,000	30,000	82	4.26	25.40	5,359
1931	57,180	194,000	15,000	64	3.39	28.80	5,155
1932	59,858	217,000	59,000	67	3.63	15.20	2,402
1933	60,512	192,000	33,000	63	3.17	22.90	3,641
1934	59,015	200,000	6,000	67	3.39	34.30	6,654
1935	52,170	147,000	0	49	2.82	29.30	4,307
1936	45,537	210,000	0	71	4.61	26.30	5,523
1937	45,486	201,000	10,000	73	4.42	28.20	5,386
1938	44,547	236,000	16,000	83	5.30	14.10	3,102
1939	43,307	220,000	2,000	74	5.08	28.20	6,148
1940	39,788	190,000	5,000	69	4.78	27.40	5,069
1941	38,543	206,000	0	74	5.34	40.80	8,405
1942	37,973	212,000	2,000	73	5.58	64.50	13,545
1943	38,015	271,000	5,000	87	7.13	77.10	20,509
1944	38,183	220,000	3,000	65	5.76	87.10	18,901
1945	38,226	295,000	8,000	86	7.72	79.30	22,759
1946[c]	38,250	268,000	0	77	7.01	100.90	27,041

[a] Returns for naked fruit at growers' first delivery point. See table 14 for harvested tonnage of value on which returns are based.

[b] Nonbearing acres: 1936--4,311; 1937--3,533; 1938--2,690; 1939--2,062; 1940--1,563; 1941--1,368; 1942--1,341; 1943--1,209; 1944--1,007; 1945--872.

[c] Preliminary 1946 estimates.

Source of data: Compiled by the California Crop and Livestock Reporting Service.

TABLE 14
Bartlett Pears:
California Production and Utilization
1919-1946

Crop year	Production		Utilization of sales					
	Total[a]	Of value[b]	Total sold	Marketed fresh			Processed	
				Total	Out state	In state	Canned	Dried
	1	2	3	4	5	6	7	8
	short tons, fresh weight							
1919	104,600	104,600	102,400	49,400	45,600	3,800	28,200	24,800
1920	99,000	99,000	96,700	50,600	47,000	3,600	31,200	14,900
1921	80,000	80,000	77,700	48,100	44,000	4,100	23,000	6,600
1922	138,000	138,000	135,700	63,200	58,300	4,900	45,000	27,500
1923	125,000	125,000	122,800	81,800	75,900	5,900	30,000	11,000
1924	120,000	120,000	117,800	63,500	57,500	6,000	37,000	17,300
1925	169,000	169,000	166,700	89,400	82,500	6,900	58,000	19,300
1926	188,000	188,000	185,700	111,300	104,000	7,300	51,000	23,400
1927	164,000	162,000	159,900	91,900	82,400	9,500	49,000	19,000
1928	204,000	202,000	200,000	107,900	96,000	11,900	61,500	30,600
1929	173,000	173,000	171,200	92,800	79,800	13,000	55,300	23,100
1930	241,000	211,000	209,200	135,100	116,100	19,000	49,300	24,800
1931	194,000	179,000	177,500	105,900	84,900	21,000	47,600	24,000
1932	217,000	158,000	156,500	89,200	68,400	20,800	37,300	30,000
1933	192,000	159,000	157,600	68,600	50,700	17,900	50,700	38,300
1934	200,000	194,000	192,700	95,500	72,300	23,200	70,100	27,100
1935	147,000	147,000	145,800	76,200	53,800	22,400	36,000	33,600
1936	210,000	210,000	208,900	90,000	68,500	21,500	74,500	44,400
1937	201,000	191,000	189,900	94,600	77,600	17,000	76,100	19,200
1938	236,000	220,000	218,900	113,000	88,000	25,000	70,500	35,400
1939	220,000	218,000	216,900	86,700	62,600	24,100	85,600	44,600
1940	190,000	185,000	183,900	80,700	62,200	18,500	86,300	16,900
1941	206,000	206,000	204,900	71,100	49,900	21,200	113,700	20,100
1942	212,000	210,000	208,900	66,600	48,000	18,600	128,000	14,300
1943	271,000	266,000	264,900	109,300	86,200	23,100	129,600	20,300
1944	220,000	217,000	215,900	81,700	54,400	27,300	115,200	19,000
1945	295,000	287,000	285,900	137,100	107,200	29,900	125,900	22,700
1946[c]	268,000	268,000	267,000	104,000	76,000	28,000	144,000	19,000

[a] Total includes any unharvested tonnage, see table 13.

[b] Difference between production of value (col. 2) and total sold (col. 3) is estimated quantity used in homes on farms where grown.

[c] Data for 1946 are preliminary and for utilization unofficial.

Source of data: Compiled by California Crop and Livestock Reporting Service except 1946 utilization estimates are preliminary unofficial data.

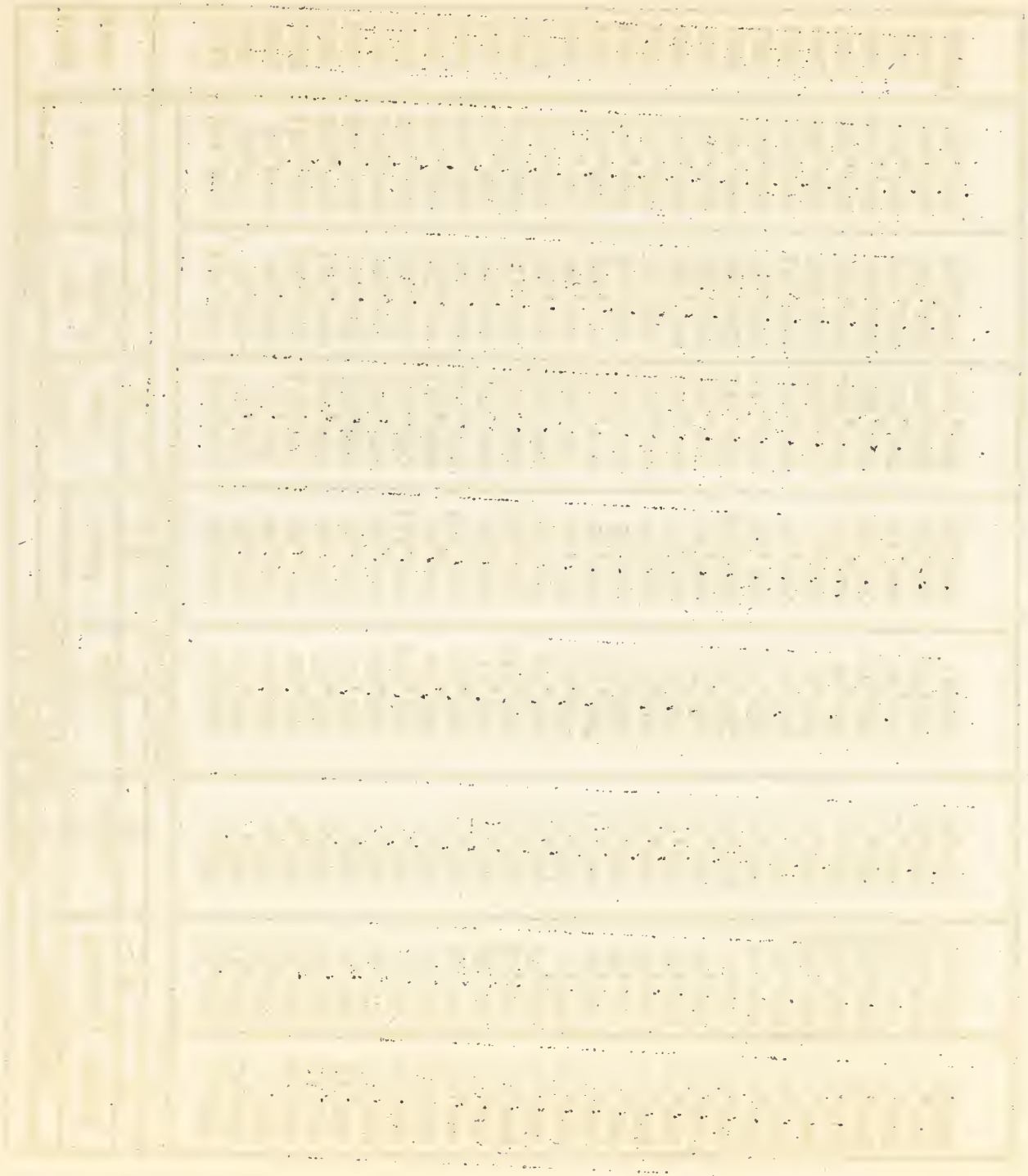

TABLE 15
Bartlett Pears: California Returns to Growers
Per Ton by Type of Utilization, 1919-1946

Crop year	All sold	Sales to fresh markets			Processed	
		All fresh	Out state	In state	Canned	Dried
	1	2	3	4	5	6
	dollars per fresh ton[a]					
1919	85.70	100.40	103.00	69.00	81.00	61.80
1920	94.80	108.70	110.00	92.00	98.00	40.70
1921	63.60	69.10	70.00	59.00	60.00	36.70
1922	47.60	44.50	44.00	51.00	60.00	34.60
1923	45.20	52.90	53.00	51.00	32.00	24.70
1924	70.10	86.50	88.00	72.00	52.00	48.70
1925	51.50	43.80	44.00	41.00	66.00	43.60
1926	36.60	38.10	38.00	39.00	38.00	26.60
1927	54.00	65.10	66.00	57.00	42.00	31.60
1928	42.90	50.00	51.00	42.00	37.00	29.80
1929	73.50	81.50	83.00	72.00	72.00	45.40
1930	25.40	25.00	25.00	25.00	29.00	20.40
1931	28.80	36.00	38.00	28.00	17.00	20.40
1932	15.20	15.50	15.00	17.00	14.00	15.60
1933	22.90	28.90	32.00	20.00	17.00	20.00
1934	34.30	36.60	39.00	29.00	35.00	24.70
1935	29.30	31.80	33.00	29.00	29.00	24.00
1936	26.30	30.20	30.00	31.00	24.00	22.20
1937	28.20	34.60	36.00	28.00	23.00	17.80
1938	14.10	12.70	12.00	15.00	14.00	13.90
1939	28.20	31.40	32.00	30.00	27.00	24.00
1940	27.40	28.40	27.90	30.00	28.00	20.00
1941	40.80	43.50	43.50	43.50	41.80	25.45
1942	64.50	71.30	73.00	67.00	63.00	45.45
1943	77.10	99.00	99.00	99.00	64.00	60.00
1944	87.10	103.00	103.00	103.00	80.00	61.80
1945	79.30	88.30	87.00	93.00	72.00	65.00
1946[b]	100.90					

[a] Returns for naked fruit at growers' first delivery point.

[b] Preliminary 1946 data.

Source of data: Compiled by California Crop and Livestock Reporting Service.

TABLE 16

Pears, All Varieties: United States Exports,
Fresh, Canned, and Dried, Equivalent Fresh Weight, 1923-1945

Crop year	U. S. production harvested	Exports						
		Total, all uses		Fresh	Canned	Dried		
		Per cent	Tons			Total	As pears	In salad
	1	2	3	4	5	6	7	8
	tons	per cent	short tons, equivalent fresh weight					
Averages:								
1925-1929	536,701	16.7	89,386	34,101	38,800	16,445	12,760	3,685
1930-1934	594,746	20.7	121,525	55,700	41,700	24,145	18,205	5,940
1934-1938	675,179	19.6	132,287	66,182	41,700	24,365	18,425	5,940
1935-1939	678,031	19.2	130,264	65,424	40,600	24,200	17,930	6,270
1940-1944	709,905	3.6	25,346	7,491	7,000	10,835	10,065	770
Annual:								
1923	427,500	13.6	58,069	25,119	22,500	10,450	6,050	4,400
1924	462,550	12.8	59,376	20,726	31,500	7,150	5,500	1,650
1925	496,745	18.8	93,203	35,603	44,400	13,200	11,000	2,200
1926	603,580	15.0	90,489	36,939	38,700	14,850	12,100	2,750
1927	447,105	15.7	70,078	25,528	30,800	13,750	10,450	3,300
1928	600,850	19.1	114,474	41,424	48,300	24,750	20,350	4,400
1929	535,225	14.7	78,687	31,012	32,000	15,675	9,900	5,775
1930	636,790	21.7	138,060	67,335	43,500	27,225	20,625	6,600
1931	607,845	18.1	109,801	45,351	41,900	22,550	15,950	6,600
1932	518,400	22.9	118,869	59,994	35,500	23,375	17,050	6,325
1933	535,715	24.0	128,529	55,504	45,800	27,225	22,000	5,225
1934	674,980	16.6	112,368	50,318	41,700	20,350	15,400	4,950
1935	634,965	21.4	135,747	62,072	48,100	25,575	19,525	6,050
1936	664,675	19.2	127,859	65,659	39,100	23,100	19,250	3,850
1937	694,795	17.9	124,249	67,374	34,600	22,275	15,950	6,325
1938	706,480	22.8	161,211	85,486	45,200	30,525	22,000	8,525
1939	689,240	14.8	102,256	46,531	36,200	19,525	12,925	6,600
1940	703,840	2.4	17,033	11,783	1,400	3,850	2,200	1,650
1941	723,350	5.6	40,216	11,716	9,800	18,700	16,500	2,200
1942	748,055	1.9	14,119	5,044	3,300	5,775	5,775	0
1943	597,055	4.4	26,322	3,022	13,400	9,900	9,900	0
1944	777,225	3.7	29,041	5,891	7,200	15,950	15,950	0
1945	817,055	4.5	36,722	24,452	6,770	5,500	2,750	2,750

Source of data: Compiled by S. W. Shear, Giannini Foundation of Agricultural Economics, University of California.

Col. 1: Reports of United States Crop Reporting Board.

Col. 2: Computed per cent total exports (col. 3) of production (col. 1).

Col. 3: Sum of columns 4, 5, and 6.

Cols. 4 and 5: Based on United States Department of Agriculture, Agricultural Statistics, 1940, p. 493, and 1946, p. 195.

Declared net canned weight divided by .855 and rounded to nearest 100 tons.

Cols. 6, 7, and 8: Based on table 21.

Declared net processed dry weight divided by 1.03 x 5.5 and rounded to nearest 25.

TABLE 17

Pears, All Varieties: United States Fresh Exports and California and Pacific Northwest Fresh Shipments, 1921-1946

Crop year	United States exports			Carlot rail shipments				
				California interstate[b]			Oregon, Washington and Idaho[c]	
	July thru June	July and Aug.[a]	Sept. thru June	June thru Dec.	June thru Aug.[a]	Sept. thru Dec.	Season total	Season thru Aug.
	1	2	3	4	5	6	7	8
	short tons			cars				
1921	11,650	--[d]	--	4,291	3,557	734	3,900	1,792
1922	18,392	4,745	13,647	5,751	4,240	1,511	4,560	1,341
1923	25,119	6,730	18,389	7,020	6,144	876	6,869	2,402
1924	20,726	5,663	15,063	5,804	4,946	858	3,965	1,612
1925	35,603	8,010	27,593	7,767	6,488	1,279	5,794	1,855
1926	36,939	10,022	26,917	9,826	8,602	1,224	8,208	3,522
1927	25,528	6,804	18,724	8,053	6,287	1,766	5,570	1,080
1928	41,424	11,291	30,133	9,456	7,528	1,928	10,336	3,223
1929	31,012	6,786	24,226	7,624	5,302	2,322	8,275	1,434
1930	67,335	14,011	53,324	10,979	8,483	2,496	11,319	2,561
1931	45,351	16,760	28,591	7,626[e]	6,787	839	7,482	2,297
1932	59,993	13,993	46,000	5,918[e]	5,086	832	7,327	1,347
1933	55,503	7,593	47,910	4,497	2,941	1,556	7,187	757
1934	50,161	16,058	34,103	5,484	4,736	748	7,200	3,094
1935	62,072	9,367	52,705	3,825	2,932	893	9,271	1,395
1936	65,645	16,528	49,117	4,939	3,972	967	9,497	2,032
1937	67,374	13,568	53,806	5,337	3,965	1,372	9,783	932
1938	85,486	19,719	65,767	5,696	4,086	1,610	9,192	1,050
1939	46,530	14,257	32,273	4,274	3,148	1,126	8,590	1,954
1940	11,782	4,382	7,401	4,431	3,147	1,284	9,012	1,922
1941	11,716	3,621	8,095	2,993	2,350	643	9,816	1,446
1942	5,044	942	4,102	3,060	1,636	1,424	9,601	988
1943	3,021	1,872	1,149	5,541	4,390	1,151	7,265	675
1944	5,891	--	--	3,446	2,522	924	11,576	1,677
1945	24,452	4,589	19,863	6,713	4,318	2,395	11,819	1,734
1946	46,879[f]	6,246	40,633[f]	5,170	3,704	1,466	14,200	1,946

a June thru August exports are nearly all California Bartletts and Hardys, and California interstate shipments very largely Bartletts.
b Includes carlots of "mostly pears" beginning 1937.
c Interstate and intrastate including rail shipments to canners.
d Dashes indicate data not published.
e Excludes cars originating north of Roseville: 1931, 8 cars; 1932, 5 cars.
f Exports for 1946 crop are only thru January, 1947.

Source: Compiled by S.W. Shear, Giannini Foundation of Agricultural Economics, University of California. Exports from U.S. Monthly Summary of Foreign Commerce and shipments from reports of Federal-State Market News Service.

TABLE 18

Pears, All Varieties: United States Fresh Exports by Chief Countries of Destination
Years Beginning July 1, Averages 1926-1944, Annual 1938-1945

Destination	Averages				Annual							
	1926-1929	1930-1933	1934-1938	1940-1944	1938	1939	1940	1941	1942	1943	1944	1945
	1	2	3	4	5	6	7	8	9	10	11	12
	short tons, net declared fresh weight											
Total	33,726	57,046	66,182	7,491	85,486	46,530	11,782	11,716	5,044	3,021	5,891	24,452
Europe, total	15,027	44,466	50,206	79	71,509	26,700	305	88	0	0	0	4,455
United Kingdom	13,907	29,178	31,935	27	47,298	22,086	130	4	0	0	0	0
Other	1,120	15,288	18,271	52	24,211	4,614	175	84	0	0	0	4,455
France	14	6,562	8,765	0	7,614	0	0	0	0	0	0	0
Netherlands	448	4,461	3,540	0	7,087	288	0	0	0	0	0	0
Belgium	4	297	768	0	1,802	61	0	0	0	0	0	0
Norway	a	116	263	0	600	348	0	0	0	0	0	0
Sweden	342	1,436	3,271	27	4,295	3,164	53	84	0	0	0	4,455
Denmark	a	357	58	0	55	0	0	0	0	0	0	0
Germany	254	1,975	876	0	1,408	a	0	0	0	0	0	0
Other	58	84	730	25	1,350	753	122	0	0	0	0	0
Except Europe	18,699	12,580	15,976	7,412	13,977	19,830	11,477	11,628	5,044	3,021	5,891	19,997
Canada	13,198	8,403	9,104	4,465	6,755	13,174	5,730	6,536	4,078	2,227	3,753	15,011
Other	5,501	4,177	6,872	2,947	7,222	6,656	5,747	5,092	966	794	2,138	4,986
Brazil	2,327	1,638	2,211	1,167	2,344	3,192	3,046	2,624	0	0	166	1,769
Argentina	1,337	926	275	13	254	30	66	0	0	0	0	b
Cuba	905	386	620	636	711	666	750	856	265	344	964	1,542
Mexico	376	151	196	408	279	281	384	363	354	310	630	1,035
Other	556	1,076	3,570	723	3,634	2,487	1,501	1,249	347	140	378	640

[a] Not available separately. Included in "other" Europe.
[b] Less than a ton.

Sources of data: Compiled by S. W. Shear, Giannini Foundation of Agricultural Economics, University of California, from official data; largely from U.S. Dept. Agriculture, Yearbook 1935 and Agricultural Statistics, 1936, 1942, and 1946, except 1945 from preliminary monthly data U.S. Dept. Commerce, U.S. Exports of Domestic and Foreign Merchandise, Report No. FT 410 series, Section B, Commodity Group 1, Vegetable Foods.

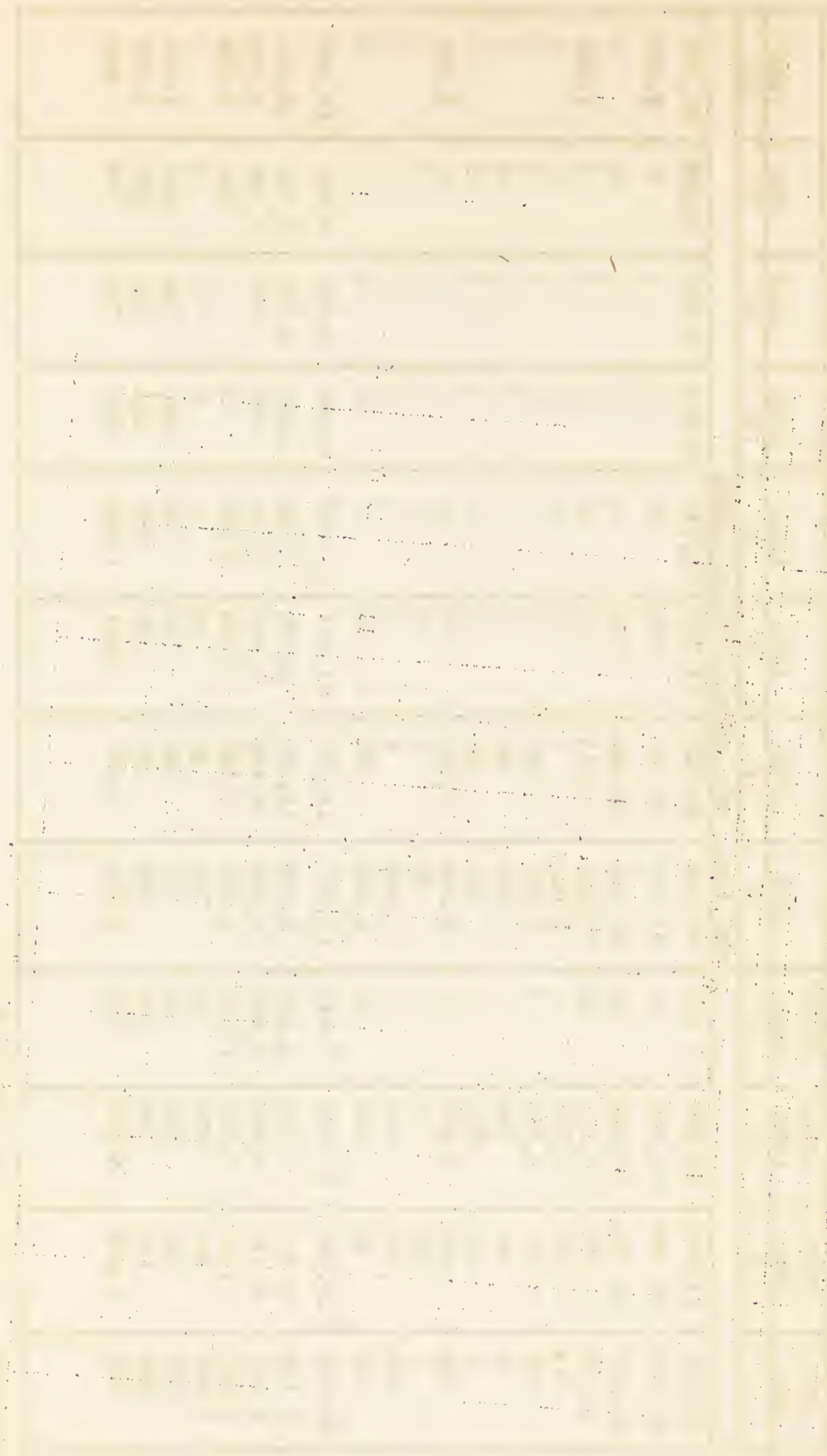

TABLE 19

Pears: United States Exports of Canned Pears to Chief Countries
Years — Beginning July 1, Averages 1926-1944, Annual 1938-1945

Destination	Averages				Annual							
	1926-1929	1930-1933	1934-1938	1940-1944	1938	1939	1940	1941	1942	1943	1944	1945
	1	2	3	4	5	6	7	8	9	10	11	12
	short tons, net declared canned weight[a]											
Total	32,017	35,634	35,699	6,017	38,644	30,958	1,224	8,380	2,851	11,487	6,144	5,788
Europe, total	29,762	34,727	34,424	2,358	37,250	29,432	89	5,969	343	1,881	3,509	1,129
United Kingdom	28,461	33,632	33,249	2,034	35,895	28,609	0	5,968	339	1,762	2,103	312
Other	1,301	1,095	1,175	324	1,355	823	89	1	4	119	1,406	817
Irish Free State	254	424	--[b]	18	622	459	89	0	c	0	0	c
France	266	179	167	1	152	10	0	0	0	0	7	5
Germany	145	115	57	0	54	2	0	0	0	0	0	1
Belgium	52	38	58	--	62	40	--	--	--	--	--	0
Netherlands	275	125	125	0	173	124	0	0	0	0	0	0
Denmark	25	18	13	--	18	14	--	--	--	--	--	0
Norway	50	55	49	--	62	20	--	--	--	--	--	2
Sweden	167	103	93	--	142	132	--	--	--	--	--	274
Other	67	38	613	305	70	22	0	1	4	119	1,399	535
Except Europe	2,255	907	1,275	3,659	1,394	1,526	1,135	2,411	2,508	9,606	2,635	4,659
Canada	574	171	46	86	24	32	28	18	57	125	202	107
Other	1,681	736	1,229	3,573	1,370	1,494	1,107	2,393	2,451	9,481	2,433	4,552
Cuba	528	121	--	342	454	530	512	825	187	109	78	850
Other	1,153	615	--	3,231	916	964	594	1,368	2,264	9,372	2,355	3,702

[a] Canned exports are practically all Pacific Coast Bartlett pears. Pears are also exported in canned form in fruit for salad and cocktail.

[b] Dashes indicate data not segregated, if any, included in appropriate "other".

[c] Less than 500 pounds.

Sources of data:

Compiled by S.W. Shear, Giannini Foundation of Agricultural Economics, University of California from official data largely from U.S. Department of Agriculture, Office of Foreign Agricultural Relations mimeographed reports and Agricultural Statistics except 1945 from preliminary monthly data from U.S. Dept. Commerce, U.S. Exports of Domestic and Foreign Merchandise, Report No. FT 410 series, Section B, Commodity Group 1, Vegetable Foods.

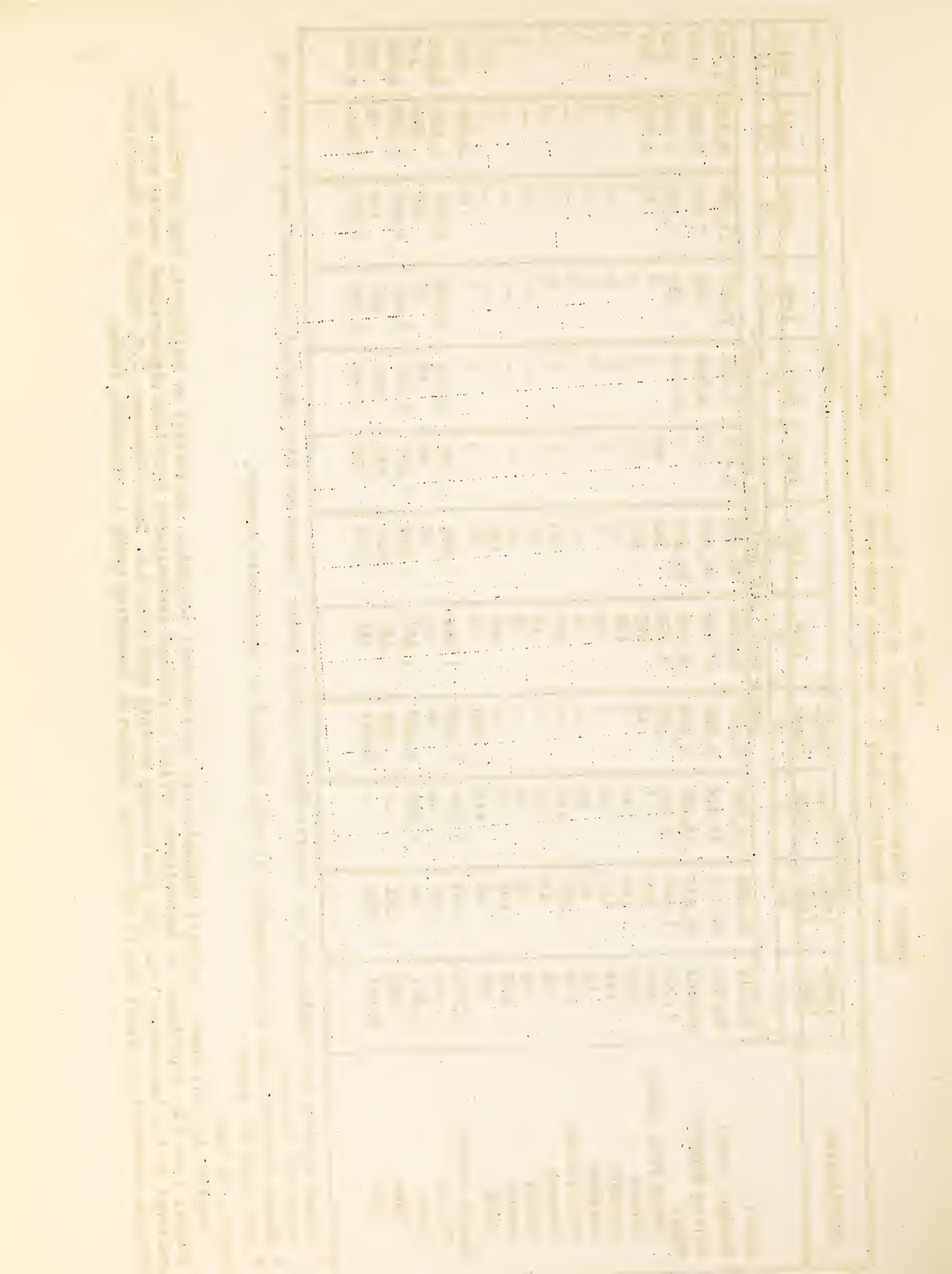

TABLE 20

Pears, Bartletts, Canned: Pacific Coast Canners' Supply, Shipments and Prices, 1922-1946

Year beginning June 1	United States	Pacific Coast: California, Oregon, and Washington								
	Canner supply				Canner shipments				Canner prices	
	Pack[a]	Pack[a]	Carry-in	Supply	Total[a]	Domestic[ab]	Exports and war services[c]		F.o.b. per case	To growers per ton
	1	2	3	4	5	6	7	8	9	10
	Thousands of cases, equivalent 24 No. 2½ cans						Cases	%	Dollars	
1922	2,600	2,432	50	2,482	2,074	1,010	1,064	51	5.21	53.10
1923	2,000	1,713	408	2,121	1,979	1,085	894	45	4.67	35.20
1924	2,400	2,119	142	2,261	2,210	1,014	1,196	54	5.40	55.90
1925	3,900	3,429	51	3,480	2,973	1,293	1,680	57	5.44	63.00
1926	3,500	3,260	507	3,767	3,366	1,957	1,409	42	4.31	36.00
1927	3,000	2,639	401	3,040	2,873	1,637	1,236	43	4.60	45.10
1928	4,500	4,116	167	4,283	3,991	2,170	1,821	46	4.13	37.10
1929	4,700	4,206	292	4,498	3,546	2,383	1,163	33	4.82	75.10
1930	4,400	4,153	952	5,105	4,212	2,617	1,595	38	3.53	25.90
1931	3,800	3,635	893	4,528	3,658	1,990	1,668	46	2.82	19.10
1932	3,500	3,117	870	3,987	3,558	2,200	1,358	38	2.48	11.50
1933	4,800	4,377	429	4,806	4,533	2,767	1,766	39	2.64	14.80
1934	6,000	5,505	273	5,778	4,487	2,984	1,503	33	3.05	31.10
1935	4,600	4,230	1,291	5,521	4,564	2,670	1,894	41	2.92	21.40
1936	5,900	5,355	957	6,312	5,462	3,997	1,465	27	2.92	22.90
1937	4,900	4,321	850	5,171	4,021	2,681	1,340	33	3.07	23.20
1938	4,700	4,090	1,150	5,240	4,840	3,114	1,726	36	2.77	13.30
1939	4,600	4,057	400	4,457	4,177	2,768	1,409	34	3.27	27.40
1940	5,500	4,824	280	5,104	4,204	3,973	231	1	3.06	26.40
1941	6,600	5,900	900	6,800	5,900	4,738	1,162	20	3.75	42.10
1942	6,200	5,389	900	6,289	5,339	3,615	1,724	32	4.50	66.00
1943	4,700	4,434	950	5,384	4,484	2,085	2,399	54	5.30	70.00
1944	4,500	4,274	900	5,174	4,724	1,238	3,486	74	5.40	77.20
1945	4,700	4,465	430	4,895	4,655	4,200	455	10	5.50	72.50
1946[d]	5,500	5,256	240	5,496					7.20	91.00

a Data given on pack and shipments, total and to domestic markets, include the small but significant number of cases repacked by California canners in cocktail, fruits for salad, and other mixed fruits. Practically all the Pacific Coast pack is Bartletts. Small quantities of other varieties are canned in other states.

b Shipments to domestic markets, 1940-1945, are for civilian consumption only.

c Total United States exports through regular trade channels only, 1922-1939, including insignificant quantities of eastern pears, but 1940-1945 include government shipments for lend-lease and war services at home and abroad. United States total commercial exports and lend-lease shipments, thousands of cases, years beginning July 1: 1940--54; 1941--372; 1942--127; 1943--511; 1944--273; 1945--289 (preliminary).

d Preliminary 1946 estimates for United States pack and canner prices.

(footnotes and sources continued on next page)

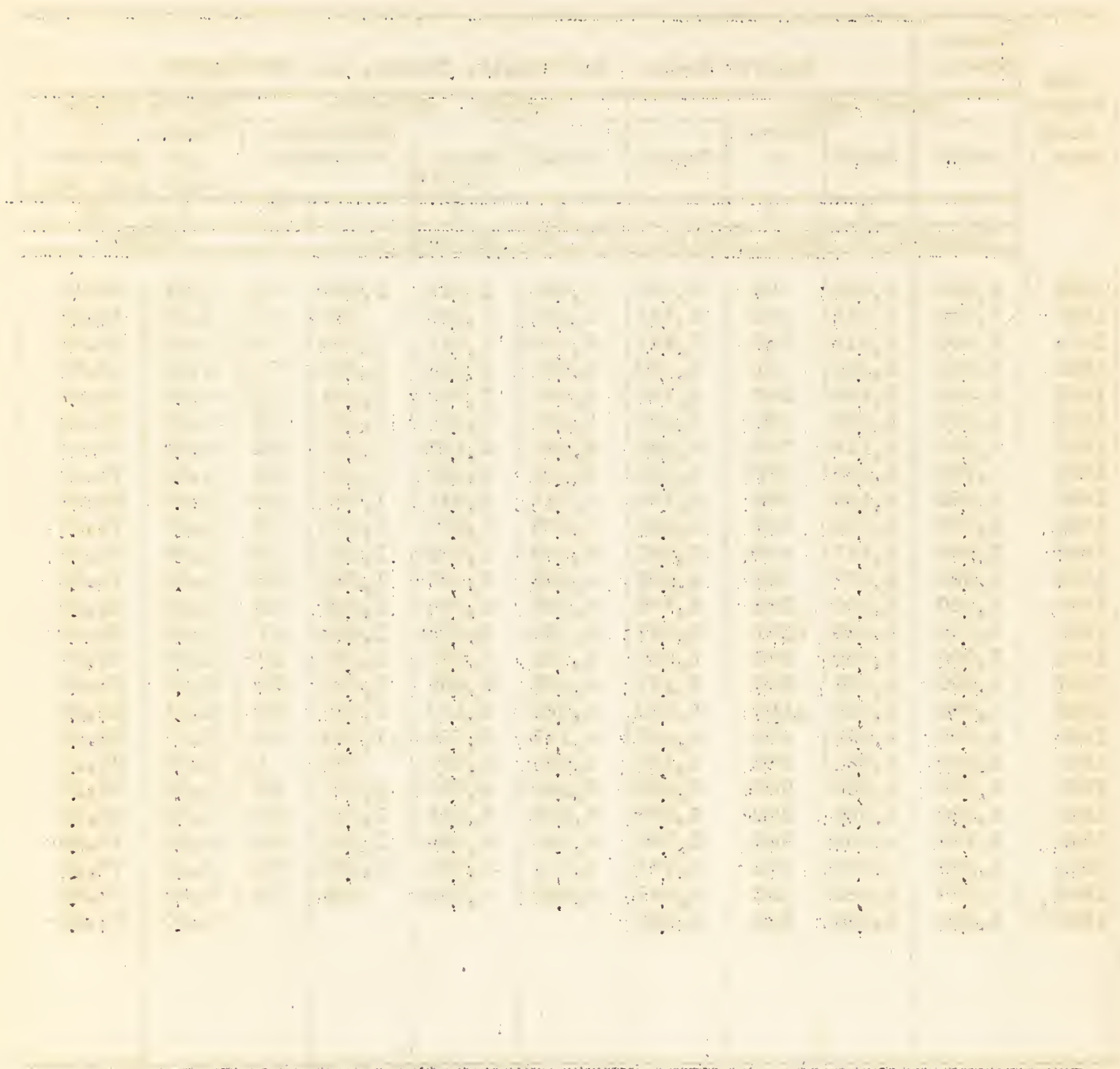

TABLE 20 (CONTINUED)

Pears, Bartletts, Canned: Pacific Coast Canners' Supply, Shipments and prices, 1922-1946

Sources of data:

Compiled by S. W. Shear, Giannini Foundation of Agricultural Economics, University of California.

Col. 1: Pack of Pacific Coast, col. 2, plus pack of other states from United States Census of Manufactures, state canners' associations, and National Canners Association involving estimates by S. W. Shear for some eastern states for most years 1919-1933 and 1946. United States total, 1934-1945, from United States Department of Commerce, Fruit and Vegetable Canning Industries 1934-1945, Production and Wholesale Distribution Industrial Series No. 15, p. 70, and supplementary processed report, October, 1946.

Col. 2: From reports of Canners League of California and Northwest Canners Association or Western Canner and Packer. Earlier years involve estimates of S. W. Shear in converting from actual to equivalent cases of 24 No. $2\frac{1}{2}$ cans.

Col. 3: Unshipped stocks on June 1 of year indicated from preceding year's pack California stocks from reports of Canners League; Oregon and Washington, 1922-1936, compiled by Giannini Foundation from records of Northwest Canners Association and 1937-1941 estimated; Pacific Coast, 1942-1946, estimated as same per cent of United States carry-in (same Department of Commerce source as col. 1) as Pacific Coast supply of year from which stocks carried over.

Cols. 4, 5: Calculated from cols. 2 and 4.

Col. 6: Col. 5 minus col. 7. Shipments to domestic market for 1940-1945 are for domestic civilian consumption only.

Col. 7: Official data on United States exports of straight canned pears (excludes pears in canned mixed fruits), 1922-1939, converted at 45 pounds per case. Data 1940-1945 from Department of Commerce (same source as col. 1) include exports through regular trade channels and government shipments for lend-lease and for war services at home as well as abroad. Official commercial and lend-lease exports for years beginning July 1, 1940-1945, in thousands of cases are: 1940--54; 1941--372; 1942--127; 1943--511; 1944--273; 1945--289 (preliminary).

Col. 8: Per cent of total shipments, calculated col. 7 of col. 5.

Col. 9: F.o.b. cannery weighted average prices per case, 1922-1941, of Bartletts all grades and sizes of cans on an unadvertised basis, excluding trade discounts, compiled by H. R. Wellman from canners' reports: 1942-1946 rough preliminary estimates by S. W. Shear based upon canners' quotations.

Col. 10: Official estimates of Crop Reporting Service of average prices canners paid growers for Bartletts in California, Oregon, and Washington from United States Bureau of Agricultural Economics, Prices Received by Growers for Fruit and Nut Crops by Type of Sale and Utilization Groups. Mimeo. Washington, D. C., January, 1945, p. 48.

TABLE 21

Pears, Bartletts: California Dried Production, Exports, and Packers' F.o.b. Prices, 1921-1946

Crop year	California production[a]	United States exports[a,b]				Price of choice Northerns
		Total		As pears	In salad	
		Per cent of production	Quantity			
	1	2	3	4	5	6
	short tons, dry weight	per cent	short tons, unprocessed dry weight			cents per pound
1921	1,200	--[c]	--	--	--	15.4
1922	5,000	--	--	--	--	13.1
1923	2,000	95.0	1,900	1,100	800	8.2
1924	3,200	40.6	1,300	1,000	300	17.3
1925	3,500	68.6	2,400	2,000	400	14.9
1926	4,300	62.8	2,700	2,200	500	9.1
1927	3,500	71.4	2,500	1,900	600	10.4
1928	5,600	80.4	4,500	3,700	800	10.0
1929	4,200	67.9	2,850	1,800	1,050	15.1
1930	4,500	110.0[d]	4,950	3,750	1,200	7.1
1931	4,400	93.2	4,100	2,900	1,200	6.6
1932	5,500	77.3	4,250	3,100	1,150	5.7
1933	7,000	70.7	4,950	4,000	950	6.8
1934	4,900	75.5	3,700	2,800	900	7.6
1935	6,100	76.2	4,650	3,550	1,100	7.7
1936	8,100	51.9	4,200	3,500	700	7.3
1937	3,500	115.7[d]	4,050	2,900	1,150	5.9
1938	6,500	85.4	5,550	4,000	1,550	6.4
1939	8,100	43.8	3,550	2,350	1,200	7.3
1940	3,100	22.6	700	400	300	6.0
1941	3,700	91.9	3,400	3,000	400	8.1
1942	2,600	40.4	1,050	1,050	0	16.1
1943	3,700	48.6	1,800	1,800	0	23.1
1944	3,500	82.9	2,900	2,900	0	23.1
1945	4,400	22.7	1,000	500	500	22.3
1946[e]	3,700					24.5

[a] Almost all the nation's dried pears are California Bartletts.
[b] Exports for year beginning September 1 except July 1, 1943, and 1944.
[c] Dashes indicate data not available.
[d] Excess of exports over production possibly because of carry-in.
[e] Preliminary 1946 data.

Source of data: Compiled by S. W. Shear, Giannini Foundation of Agricultural Economics.

Col. 1: Based largely on reports of Dried Fruit Association of California.

Cols. 3, 4, and 5: Exports of dried pears plus one sixth of dried fruit salad, declared processed weight divided by 1.03; 1923-1929 estimates by S. W. Shear based largely on inspections by Dried Fruit Association of California for foreign export; 1930 to date from United States Department of Commerce, Monthly Summary of Foreign Commerce.

Col. 6: Average of weekly quotations in California Fruit News for seasons through December; 1942-1945 are O.P.A. maximum prices to wholesalers, which were about 5 per cent higher than to the federal government which bought practically all the dried pear crops of 1941 and 1942 and a majority of 1943 and 1944.

TABLE 22

Pears, All Varieties: California Pears Marketed Fresh,
On-Tree Returns Per Bushel to Growers
by Chief Varities, 1919-1945

Crop year	Bartlett	Other varieties		
		All	Hardy	Other
	1	2	3	4
	Dollars per 48 pound bushel			
1919	2.29	2.38	2.37	2.39
1920	2.49	2.54	2.71	2.46
1921	1.53	1,85	2.25	1.71
1922	.94	1.26	1.37	1.24
1923	1.13	1.52	1.57	1.51
1924	1.94	2.18	2.37	2.13
1925	.91	1.52	1.57	1.50
1926	.77	1.02	1.01	1.02
1927	1.41	1.95	2.02	1.94
1928	1.04	1.15	1.26	1.12
1929	1.79	1.55	1.80	1.45
1930	.46	.36	.57	.29
1931	.75	.65	.84	.58
1932	.27	.17	.50	.03
1933	.60	.37	.48	.31
1934	.77	.56	.58	.55
1935	.66	.68	.88	.57
1936	.62	.54	.62	.50
1937	.71	.68	.95	.50
1938	.19	.16	.17	.15
1939	.62	.24	.37	.11
1940	.54	.29	.36	.23
1941	.89	.76	.73	.76
1942	1.50	1.22	1.22	1.22
1943	2.04	2.02	1.86	2.17
1944	2.09	1.85	1.85	1.85
1945 [a]	1.71	1.85	1.77	1.92

a Preliminary 1945 data.

Source: Compiled by Giannini Foundation of Agricultural Economics, University of California directly or indirectly from reports of the United States Bureau of Agricultural Economics and the California Crop and Livestock Reporting Service.

TABLE 23

United States Index Numbers of Non-Agricultural Income and of Prices Received and Paid by Farmers and Relative Returns to California Growers for Pears, 1919-1946

Calendar year	U.S. Non-agricultural income	Growers returns for California pears		U. S. farmer prices	
		Total[a] production	Fresh[b] bartletts per bushel	Received for all fruit[c]	Paid for all items[d]
	1	2	3	4	5
	per cent of 1935-1939 = 100				
1919	81	172	410	204	156
1920	94	182	448	214	162
1921	83	105	274	181	129
1922	87	129	168	192	128
1923	99	115	202	155	131
1924	103	174	347	148	131
1925	110	172	162	190	134
1926	114	139	137	161	133
1927	116	183	252	161	132
1928	119	176	186	182	133
1929	122	245	320	150	132
1930	110	108	82	175	126
1931	95	106	134	109	110
1932	73	49	48	88	95
1933	70	75	107	84	92
1934	80	133	138	106	98
1935	86	89	118	98	100
1936	101	112	111	110	99
1937	107	112	127	125	105
1938	99	67	34	84	99
1939	106	120	111	82	97
1940	115	101	97	88	98
1941	138	164	159	102	106
1942	170	87	269	137	122
1943	207	413	365	215	136
1944	231	385	378	258	145
1945	236	478	305	264	151
1946[e]	239	556		272	168

a Relatives of total value to growers of harvested production of all pear varieties at first delivery point prices.

b Relatives of equivalent on-tree returns per 48 pound bushel for Bartletts sold to out-of-state and in-state fresh markets.

c Based upon average prices for all methods of sale and types of utilization for apples, oranges, lemons, grapefruit, pears, peaches, grapes, and strawberries.

d Includes prices paid by farmers for living, production, interest, taxes, and also wages of hired labor, which last item is not included in official index.

e Preliminary 1946 data.

Sources: Compiled by the Giannini Foundation of Agricultural Economics, University of California from, or on the basis of, data from reports of U.S. Bur. Agr. Economics (cols. 1,4,5) and of California Crop and Livestock Reporting Service (cols. 2 and 3).